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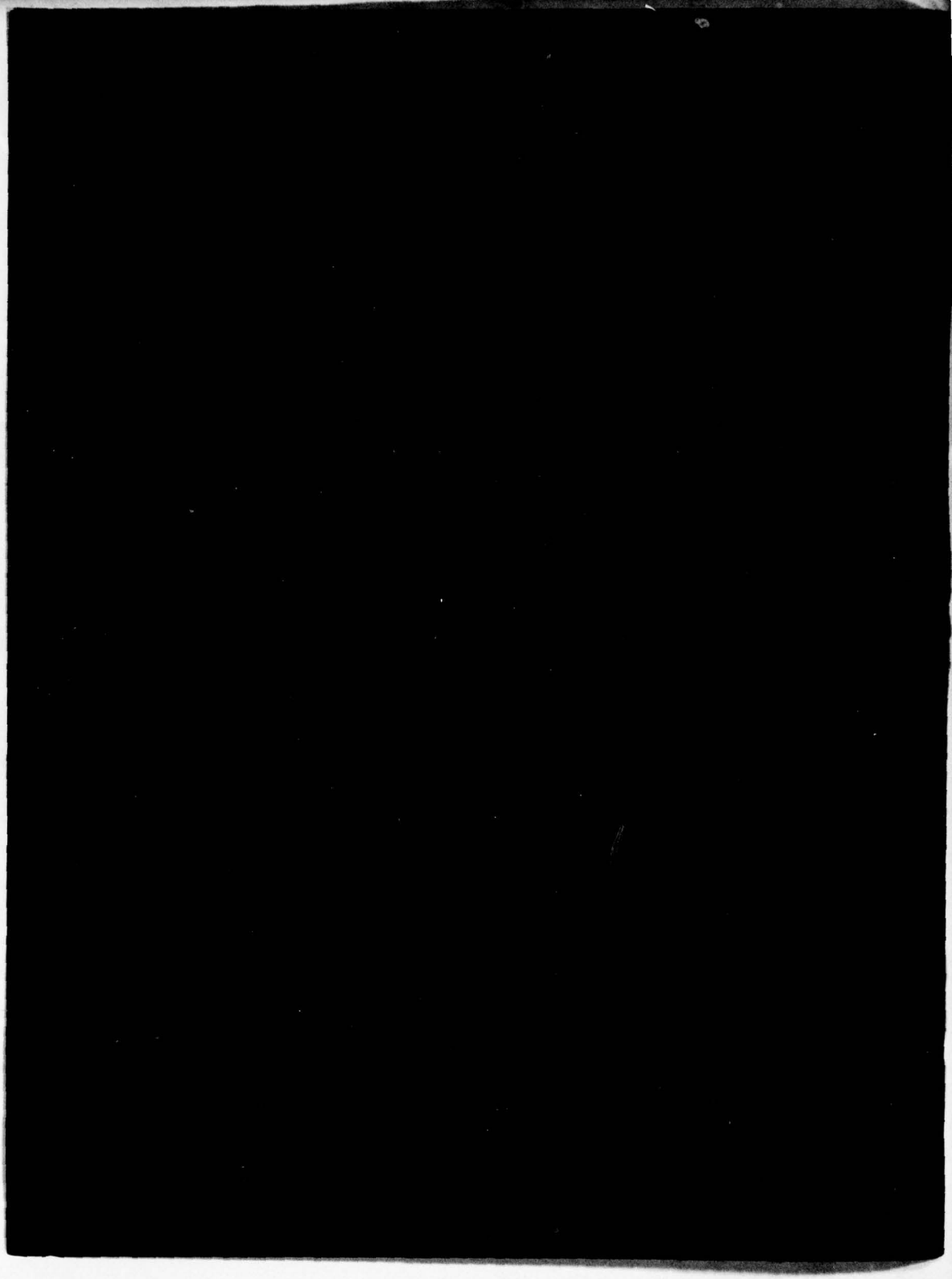
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and specification of the advantages and disadvantages of the software

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The purpose of AIMMS is to determine the relative locations, equipment and manning requirements for new construction aircraft carrier activities in order to maximize their supply support effectiveness while operating at sea. The ultimate objective is to develop a method that can be used as a tool for determining the requirements information.

The AIMMS is being performed in four phases. This Phase 1 report

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describes the supply support and related maintenance processes performed by the activities of the current aircraft carrier departments. It identifies the two types of supply support organizational structures, split and integrated, currently being used by aircraft carriers. A standard format for each activity includes: a header (specifying activity identification number, name and type of assigned personnel), a performance abstract (description), inputs and outputs. A list was developed that represents the required supply support processes. In addition, those factors that describe the nature of the information or material being processed was tabulated. Finally, an analysis and correlation of the process list and the tabulated selectivity factors resulted in synthesized patterns of performance. This report has been reviewed and validated by Fleet activities and personnel (including the USS NIMITZ, CVN-68 and the USS AMERICA CV-66).

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LIST OF ABBREVIATIONS

ADB - Aircraft Discrepancy Book

ADP - Automatic Data Processing

AEU - Aircraft Engine Unit

AIMD - Aviation Intermediate Maintenance Department

AMSU - Aeronautical Material Screening Unit

ANORS - Anticipated Not Operationally Ready - Supply

ASO - Aviation Supply Office

AV - Available

AWP - Awaiting Parts

BCM - Beyond Capability Maintenance

CAG - Carrier Air Group

CALM - Catapult Arresting Gear Landing Aids Maintenance

CASREPT - Casualty Report

Category I - Essential for Safe Flight

Category II - Not Essential for Safe Flight

Catgory III - Consumables for Work Center Shop Support (Tools, Oil, Rags, Goggles)

CCS - Component Control Section

CHIL - Consolidated Hazardous Item List

CLAMP - Closed Loop Aeronautical Management Program

COMM - Communications

CONS - Consumable

CSMP - Current Ship's Maintenance Project

CUST - Customer

DAAS - Defense Automatic Addressing System

DCU - Document Control Unit

DD1149 - Purchase Order for Contractual Request to NSC (Naval Supply Center)--Indicating priority

DD1348 - Manual Requisitions

DD1348-1 - Turn-In Requisition (Shipping document)

DD1348-6 - Non-Standard Requisition

DD1348M - Mechanized Requisition Form

Dist - Distribution

DOP - Designated Overhaul Point

DSC - Division Supply Coordinator

DSPO - Division Supply Petty Officer

DTO - Direct Turn Over

EIC - Equipment Identification Code

Engn - Engine

ERU - Expeditious Repair Unit

Exception List Items - Components which disable aircraft when removed

Excg - Exchangeable

ExRep - Expeditious Repair

F - No Further Supply--Support Processing

HC - Hard Copy

ICRL - Individual Component Repair Listing

IPB - Illustrated Parts Breakdown

IOL - Initial Outfitting List

IOU - I Owe You

ISSG - Illustrated Shipboard Shipping Guide

JCN - Job Control Number

LRF - Local Requisition Form

MCRL - Master Cross Reference List

MDU - Material Delivery Unit

MILSTRIP - Military Standard Requisitioning and Issue Procedures

MIP - Maintenance Index Page

MPDS - Message Processing Data System

MRC - Maintenance Requirement Card

Msg - Message

MSP - Maintenance Support Package

MSSLL - Master Stock Status and Locator Listing

Mtl - Material

MTR - Mandatory Turn-In Repairable

NA - Not Available

NAMP - Naval Aviation Maintenance Program

NC - Not Carried

NFE - Not Fully Equipped

NIS - Not In Stock

NMDL - Navy Management Data List

Notif - Notification

NORS - Not Operationally Ready--Supply

NSN - National Stock Number

OIB - Outstanding Inductions Board

PES - Procurement Expenditure Section

PMB - Program Management Branch

Pre-Ex - Pre-Expendable

POD - Proof of Delivery

POOL - Rotatable Pool

Pri - Priority

QAR - Quality Assurance Representative

RAU - Repair Accountability Unit

RCU - Requisition Control Unit

Reprb - Repairable

R - Requisition

RFI - Ready for Issue

Rpt - Report

RU - Receipt Unit

S1 - Ship Supply Support Division (split)

S6 - Air Supply Support Division (split)

S1C - Stock Control (integrated)

S1M - Supply Support (integrated)

SA48 - Purchase Order

SC - Stock Control

SD - Shipping Document

SIL - Substitute Item List

Sqdn - Squadron

SRS - Supply Response Section

SSSLL - Supplemental Stock Status and Locator Listing

SSU - Supply Screening Unit

Strg - Storage

SUADPS - Shipboard Uniform Automated Data Processing System

TCMD - Transportation Control Movement Document

Temp - Temporary

TRS - Technical Research Section

TRU - Technical Research Unit

TTY - Teletype

UMMIPS IPG - Uniform Material Movement Issue Priority System Issue Priority Group

VIDS MAF - Visual Information Display System Maintenance Action Form

WC - Work Center

WHR - Warehouse Refusal

WSU - Work Stoppage Unit

WUC - Work Unit Code

ABSTRACT

The purpose of AIMMS is to determine the relative locations, equipment and manning requirements for new construction aircraft carrier activities in order to maximize their supply support effectiveness while operating at sea. The ultimate objective is to develop a method that can be used as a tool for determining the requirements information.

The AIMMS is being performed in four phases. This Phase 1 report describes the support and related maintenance processes by the activities of the current aircraft carrier departments. It identifies the two types of supply support organizational structures, split and integrated, currently being used by aircraft carriers. A standard format for each activity includes: a header (specifying activity identification number, name and type of assigned personnel), a performance abstract (description), inputs and outputs. A list was developed that represents the required supply support processes. In addition, those factors that describe the nature of the information or material being processed was tabulated. Finally, an analysis and correlation of the process list and the tabulated selectivity factors resulted in synthesized patterns of performance. This report has been reviewed and validated by Fleet activities and personnel (including the USS NIMITZ, CVN-68 and the USS AMERICA CV-66).

INTRODUCTION

BACKGROUND

The problems of locating, staffing, equipping, and interfacing the supply support activities of an aircraft carrier* for proper support of the maintenance requirements of the ship (including its embarked aircraft) have not been adequately addressed. Programs and individuals have directed their efforts to improving supply support performance by addressing individual segments of the system. The Afloat Information and Material Movement Study (AIMMS) is directing its efforts at maximizing the effectiveness of the total afloat supply support system.

OBJECTIVE

The objective of the AIMMS is to:

Develop a method that can be used for a new construction aircraft carrier to determine the relative locations, equipments, and manning requirements of afloat supply support activities to maximize their effectiveness.

OVERVIEW

To fulfill the objective of this study, the following factors within the afloat supply system must be analyzed:

1. The Supply (Support) Department organization structure.
2. The processes performed by supply support and related maintenance activities.
3. Each activity's information and/or material inputs and outputs.
4. Each activity's resources (men and equipment) needed to perform its required processes.
5. The means by which information and/or material are transferred to and from activity locations.

This study is being conducted in four phases (see Figure 1).

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*NAVSEA/NAVSUP Instruction 9665.1, 4/76 (U).

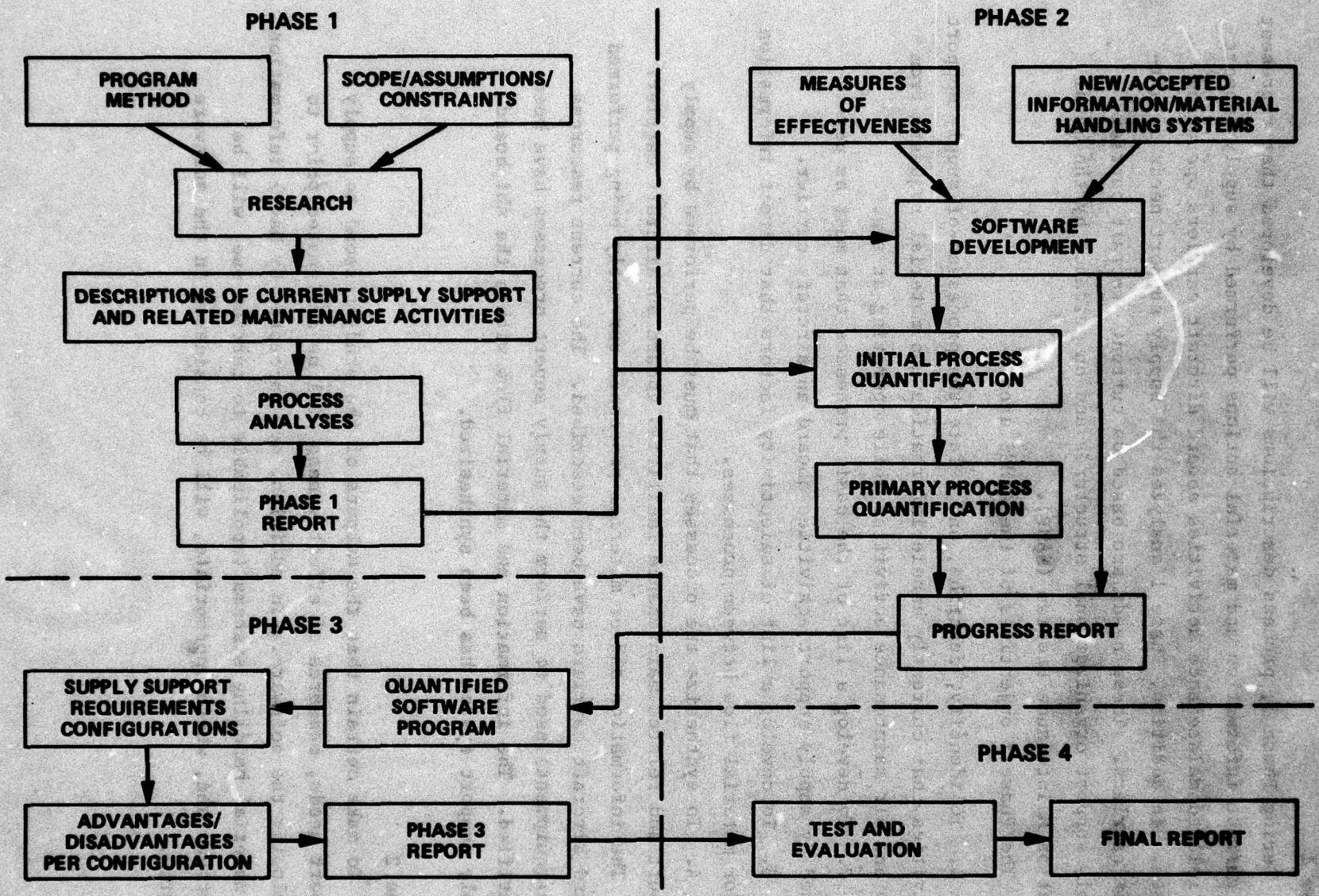


Figure 1 - Study-Phase Relationships

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Phase 1

During Phase 1, process descriptions will be developed that represent the current information and material actions performed by supply support and related maintenance activities aboard aircraft carriers operating at sea. In addition, Phase 1 analyzes the supply support needs of aircraft carriers. These needs are based on current aircraft carrier supply support organizational structures and on guidance by the Naval Aviation Maintenance Program (NAMP).

The Phase 1 objectives of the AIMMS are:

1. To identify, describe, and relate the processes of supply support activities that currently handle information and material requests from ship and air maintenance activities while operating at sea.

2. To develop a list of the basic processes that must be performed by supply support activities aboard an aircraft carrier.

3. To develop a list of selectivity factors that direct information and/or material flow between processes.

4. To synthesize the processes that must be performed by supply support and related maintenance facilities aboard an aircraft carrier.

The information and/or material processes currently being performed aboard aircraft carriers have been described. The current resources (men/equipment) used to perform the supply suport processes have been identified. The information and material flow within the shipboard supply support system has been synthesized.

Phase 2

To make certain that the outputs of the study respond to supply support needs, measures of effectiveness will be designated prior to developing the software. In addition, new (accepted by Navy) information and material handling systems (applicable to carrier use) will be described and, where appropriate, will be considered in the software program.

The software that will be developed will simulate the information and/or material manipulations and adjustments to be made on the synthesized processes described in Phase 1. In addition, it will also simulate the appropriate assignments of resources and means of transfer that are currently being used (or potentially can be used) in the supply support system.

Concurrently, personnel from the AIMMS team will undertake the acquisition of data required to quantify the previously described processes (in Phase 1). The team will go on naval exercises that will include the performance of supply support process actions. The data will include such factors as resource handling rates (information/material); identification of handling, movement, and storage constraints; types of storerooms; relative locations and distances between activities; types and amounts of resources assigned per process-activity; and the supply support requirements. These requirements will specify:

1. The performing process-activity name.
2. The performing process-activity location.
3. The information/material type being processed.
4. The distance from the input source to the performing process activity.
5. The distance from the performing process-activity to the destination.
6. The volume of information/material per type per process.

Phase 3

The two major tasks to be performed during Phase 3 of this study will be the software quantification and the sensitivity analysis of the supply support requirements configurations.* Software quantification will include the preparation of the acquired exercise data as input to the software program. The sensitivity analysis will include the analysis

---

*Each configuration will specify the relative locations of the processes being performed, the types/amounts of resources being used per process, and each inter-process means of transfer.

and specification of the advantages and disadvantages of the software program's output for each configuration.

Phase 4

The final task of this study will be to test and evaluate designated supply support location/resource configurations in order to validate the software program and to authenticate its applicability as a tool for specifying supply support requirements.

METHOD OF APPROACH

DESCRIPTION

The method used in this study has two parts. The first part determines process needs. The second part requires a sensitivity analysis (by using a software program) of the constructed process networks.

A process is a series of progressive and interdependent actions directed to a specific objective. Process requirements are concise means for identifying and describing process performers, actions, and relationships. In this study, a prime objective is to determine the relative locations, equipments, and manning requirements of supply support activities. Consequently, once the information and/or material flow of the required processes have been analyzed, the building blocks from which the supply support system must be configured are identified.

This method:

1. Identifies and interrelates the required supply support processes.
2. Is sufficiently flexible to allow analyses of synthesized supply support processes.
3. Specifies the parameters that, when quantified, describe the extent and characteristics of the supply support system information and material flow.

The first step in performing the analyses and determining the supply support process needs of an aircraft carrier is to identify the processes

that are currently being used and are required by the Navy. In analyzing the activities that perform the current supply support and related maintenance processes, the Supply Department's organizational structure and the inter-activity means of transfer must be identified. Flow charts of the supply support segments (see Appendixes C and D) identify and relate the activities that perform current information and material processes.

SCOPE, ASSUMPTIONS and CONSTRAINTS

It is assumed that the activities of integrated (S1C/S1M) and split (S1/S6) Supply Department organizations (described on pages 9 and 11) that currently fill the requisition needs of the ship and air maintenance activities on aircraft carriers (and those designated by the NAMP*) include all the processes that must be performed by the afloat supply support system.

The results and conclusions derived from this study are to be applied to a new construction aircraft carrier to be built during the 1980's. The study software program will simulate the afloat supply support system during operations at sea.

Shipboard location and supply support system performance restrictions will be identified during Phase 2 of the study.

RELATIONSHIP OF STUDY ELEMENTS

Data for the process analysis were acquired from supply and maintenance related activities (see Appendixes C and D) and from discussions with appropriate supply and maintenance experts (see Appendix A). Figure 2 represents a flow description of the Phase 1 task sequence.

PROCESS ANALYSIS

RESEARCH

Before visits were made to the aircraft carriers, documents were reviewed (see Appendix B) and supply and maintenance personnel were interviewed (see Appendix A) to acquire information applicable to AIMMS and to minimize or eliminate repetitious effort.

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*See Vol. 11, Ch. 9, Supply Support Procedures.

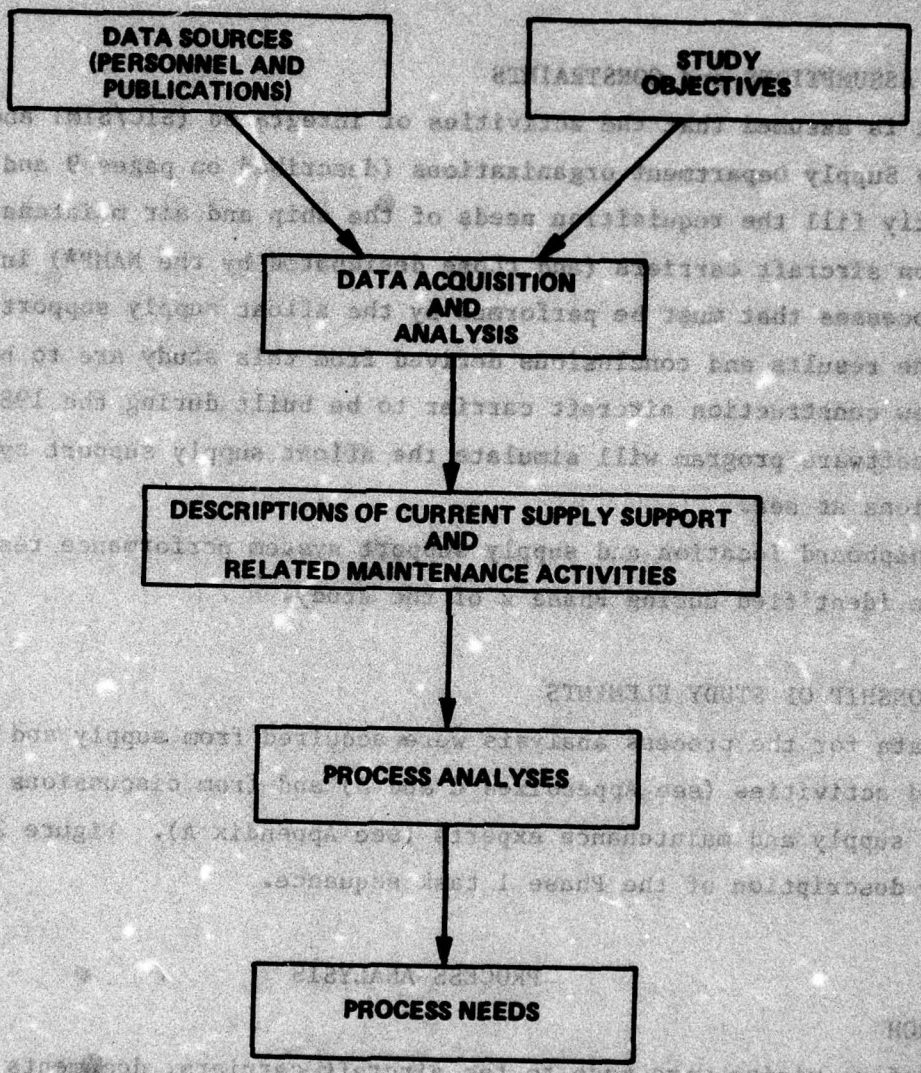


Figure 2 - Phase 1 Analysis Sequence

DESCRIPTIONS OF CURRENT SUPPLY SUPPORT AND RELATED MAINTENANCE ACTIVITIES

To facilitate the visit and interview of personnel aboard the USS NIMITZ, an appropriate format (see Figure 3) was prepared for data acquisition and for later data handling and analysis. The categories used are defined as follows:

1. Activity Number - An identification number for the activity currently designated to perform the described processes.

2. Activity Name - The name of the activity that performs the described processes.

3. Activity Performer - Type of personnel currently assigned to implement the described processes.

4. Description - A concise statement of the adjustments and manipulations made on the information/material input by the activity.

5. Input - Information/material which initiates the processes.

6. Output - Information/material produced as a result of the described processes.

The information acquired from the USS NIMITZ suggested that an adjustment be made to the original format before the visit to the USS AMERICA. Activity Function* was substituted for Activity Performer in the format header.

During the visits to the USS NIMITZ, it was learned that, although the NAMP offers guidance for the manner in which manpower, facilities, and material are to be utilized for the accomplishment of maintenance on naval aircraft, it does not specify the supply support organizational structure and activity performance requirements. It was found that aircraft carriers use two types of supply support organizational structures--split and integrated. The NIMITZ has a split supply support organization. One division,

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*Function is herein defined as the cumulative actions of all the processes performed by the activity.

ACTIVITY NUMBER

ACTIVITY NAME

ACTIVITY PERFORMER/FUNCTION*

DESCRIPTION

INPUTS

OUTPUTS

*USED IN PERFORMING DATA ACQUISITION DURING VISITS TO THE USS AMERICA

Figure 3 - Data Acquisition Format

S1, supports the ship's supply needs and a second division, S6, supports the aircrafts' supply needs. The USS AMERICA (the other aircraft carrier that the AIMMS team visited) is representative of aircraft carriers that use an integrated supply support organization. This type of organization has an S1C division, which supports the ship and some aircraft needs, and an S1M division which supports the aircraft and some ship needs. Both types of supply organizations support aircraft maintenance needs at the organizational (squadron) and intermediateate (AIMD) levels and ship maintenance needs at the organizational level.

The data acquired from the NIMITZ and AMERICA were analyzed and organized into Appendixes C and D. These data represent the manner in which the current supply support system operates aboard aircraft carriers. In addition, Vol. 11, Ch. 9 (Supply Support Procedures) of the NAMP, which addresses the flow of information and material in support of aircraft maintenance aboard carriers, was used as a significant source of information for Phase 1.

Appendixes C and D contain descriptions of the current supply support and related maintenance activities. The appendixes describe the processes performed by USS NIMITZ and USS AMERICA activities. Figures indicating the information and material flow between activities are presented in the front of segments of each appendix. Numeric indicators in these figures refer to the numbers identifying the described activities and are indexed in Appendixes C and D, Table of Contents (pages 55 and 137). The activities described are also listed in these Tables of Contents.

The NIMITZ and AMERICA Descriptions of Current Supply Support and Related Maintenance Activities (Appendixes C and D) were reviewed and validated by the respective Supply Officers and other designated personnel. In addition, copies of these documents were forwarded to COMNAVAIRPAC HQ to determine whether aircraft carriers assigned to the Pacific area use supply support organizational structures and manners of implementation similar to those used on carriers operating (as represented) in the Atlantic. Personnel from COMNAVAIRPAC HQ reviewed the documents and

agreed that the information representing Atlantic-assigned aircraft carriers could also be used to represent the supply support systems of carriers assigned to the Pacific.

PROCESS NEEDS

A list was developed (see Table 1) that represents the required supply support processes. This information was based on data from Appendixes C and D and from the NAMP. These processes represent the required building blocks from which the supply support system was built (see Scope Section under Method of Approach). The objective of this study is to determine the relative locations, equipment, and manning requirements of the supply support processes that would maximize their effectiveness for a new construction aircraft carrier. It is NOT to eliminate or create any processes.

The processes performed by the activities described in Appendixes C and D and in the NAMP were reviewed and analyzed to determine those factors that describe the information or material being processed (see Table 2). These factors act as decision filters in selecting (from the Process List) those processes that contribute to common supply support objectives.

An analysis and correlation of the developed Process List and Process Selectivity Factors resulted in the ability to synthesize the required supply support processes into patterns of performance (see Figures 4 to 8). The Process List, the process Number Sequence Patterns, Appendixes C and D (which offer detailed process descriptions), and the NAMP will form the basis of the simulation to be developed by this study.

Process List Description

The required processes, described in the NAMP and Appendixes C and D, were combined. Those processes with a great degree of similarity were integrated to form one process. All others were listed separately. See Table 1 for the process list format. The Activity Name identifies the

activity performing the process and the Activity Number is the identification number listed in either Appendixes C or D. The information column identifies the type and format of information being processed. The material column identifies the type of material being processed. Means of transfer identifies the resource used to move the information and/or material between activities. Process description column offers an abbreviated explanation of the process being performed including the type and characteristics of the information and/or material being handled. The process number/source, page number identifies the process number used in the Process Number Sequence Patterns, the source from which the information came (NAMP-C9, USS NIMITZ-S1 or S6 and USS AMERICA-S1C or S1M) and the page number from which the process data was taken.

Process Number Sequence Pattern Description

The sequence pattern figures represent the information and material flow according to the sources investigated. Five figures have been prepared to represent the NAMP, S1 and S6 (NIMITZ) and S1C and S1M (AMERICA) supply support pattern flows. Each pattern has a sequence of numbers that spread into numbered branches, each number representing a process. Associated with each process is a set of process selectivity factors. These factors characterize the type of information/material being processed. The process selectivity factors are not repeated for new processes if they continue to be applicable. If the factors for a sequential process are different from the preceding ones, a new set of factors is specified as a header for the new process. A branch terminating with an ellipse means that no further processing is required. When a process number is underlined, e.g., x (where x is a process sequence number), the branch is continued in another place. A number within a circle indicates where the process is continued.

TABLE 1 - PROCESS LIST

Activity Name/No.	Information Type	Information Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./* Source, Page No. NP	NZ	AA
Material Control (SQDN/ AIMD) ZM3, AM22, AM25 DSPO/DSC ZM5, AM29	Requisition	1348/LRF		WC	WC Personnel/ Telephone	RCU	Material Control Personnel/Telephone	Receives a request for repairable or consumable items from a work center. Partially fills out a requisition (Form DD1348 multipart)/LRF and handcarries, teletypes or telephones, as indicated, the data to the next sequential intra-ship activity for further processing. Prepares CASREPTs and transfers failed material as directed.	1 Ch9, 9-6		20 SIM, 151
		4790/11					TTY			20 S6.71	
		1348			WC Personnel	Tech. Library	DSPO/DSC				1 S1C, 178,171
				WC		Main Issue II	DSPO			1 S1,78	
	CASREPT	1348				FMB	DSPO/DSC				
						CASREPT Section					1 S1C, 178, 171
			Failed Item		Supply Runner	Shipping Section					
Material Control (SQDN/ AIMD) ZM3 WC/DSPO/DSC ZM5, AM27, AM29, AM30	1348		RFI	Storeroom Pool	DSPO	WC	WC Personnel	Receives RFI item together with requisition copies which he signs and distributes. Keeps one copy and sends the RFI item to the work center.	25 Ch9, 9-10	26 S6,71 12 S1,78	
						Customer File	Customer Personnel		25 Ch9, 9-10		12 S1C, 178,171
						RCU	MDU	Sends requisition copy to file.	25 C9 9-10		
						Stock Control	MDU	Sends requisition copy (to be used as proof of delivery) to stock control.		26 S6,71	
			Failed Item			DCU		Sends copy of 1348 and failed item to DCU.			
			RFI		DSPO	WC	DSPO	Sends low priority item to work center.		12 S1,78	

*Code: Process number
Source
Page number
(Chapter-NAMP)
Division-AMERICA/NIMITZ

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./* Source, Page No.		
	Type	Format							NP	NZ	AA
Material Control (SQDN/AIMD) 2M3	NC Item	DD1348		Storeroom	MDU	RCU	MDU	Sigas document indicating item not carried, updates files, sends signed document to Requisition Control.		28 S6,71	
Material Control (SQDN/AIMD) AM22, AM25	MAF copy (RFI replacement item not available)	4790/60		DCU	DCU Personnel	Material Control File	Material Control Personnel	Receives MAF copy indicating that a repairable item has been turned into Supply (DCU) and a replacement item is not available. Files MAF copy.			32 SIM, 151, 215
AM22	Requisition	LRF		PMB	PMB Personnel	Material Personnel File	Material Control Personnel	Receives LRF copies for NC/NIS items from PMB, updates his files and holds until request is satisfied.			36 SIM, 151
DCU	Supply Document	DD1348 (Yellow/ Pink copy)		MDU	MDU Personnel	Material Control File	Material Control Personnel	Receives and files 1348 copy (yellow) in JCN sequence in exchange due file which indicates that a failed item is due.	29 C9,13		
Customer (WC/DSPO) 3M5	CASREPT Message Report	MILSTRIP		PMB	Customer	COMM	Customer	CASREPT Message is signed by designated personnel, taken to Communications for transmission.		9 S1, 108	

*Code: Process number
Source
Page number
(Chapter-NAMP)
Division-AMERICA/NIMITZ

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							NP	NZ	AA
Material Control (SQDN/ AIMD-S1M) ZM3, AM22, AM25	Requisition Status Report	-		RCU (NP) PMB (S6) Tech. Lib. (SI-C)	Tech. Library Personnel	Customer File	Customer Personnel	Receives and files requisition status report. Holds report until requisition is satisfied.	19 / NP,97	39 / S6,72	6 / S1C, 151, 171, 193, 178
DSPO/DSC (S1C) AM27, AM29 AM31		Verbal		RAU	Telephone	Customer File	Customer Personnel				26 / S1M, 151, 212
DSPO/DSC AM27, AM29 AM31	Requisition copy	DD1348		PES		Customer File	Customer Personnel	Receives and files requisition copy for NC/ NIS, Hi-priority items.			10 / S1C, 171, 178
Customer (SQDN Material Control)	Engine Log Book		RFI Aircraft Engine	AIMD-Production Control	Customer Personnel	WC Aircraft	WC Personnel	Receives RFI aircraft engine and Log Book from AIMD. Sends both to work center (Sqdn).			46 / S1M, 151, 228
AM22	Requisition copy	LRF		AEU		Customer File	Customer				

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							N P	N Z	A. A
AMP, AM52, AS34 Material Control (SQDN)	Requisition copy	LRF	RFI	WSU	Customer	WC	WC Personnel	Receives LRF copy and material which was requisitioned from off-ship activity. Sends material to its work center.			40 SIM, 151, 227
Material Control (SQDN) AM22	MAF copy	OPNAV 4790/60	RFI (Customer due)	DCU	Customer	WC (Customer due)	WC Personnel	Receives RFI item earmarked "Customer Due." Updates file (MAF copy data), sends RFI item to work Center			34 SIM, 151, 216
Material Control (SQDN) AM22	MAF copy	OPNAV 4790/60	RFI	DCU	Customer	WC	WC Personnel	Receives RFI (replacement) material and MAF copy, sends RFI material to work center (to be installed).			30 SIM, 151, 215
Material Control (SQDN) AM22	MAF-4	4790/60	RFI	Rotatable Pool	Customer Personnel	WC	WC Personnel	Receives and distributes RFI (pool) items to requesting work center; updates files.		47 S6, 71	
ERU	VIDS MAF Logs/Records Supply Document	OPNAV 4790/60 DD1348	Failed Item	Customer (WC)		AMSU Customer DCU RCU	MDU	Prepares VIDS MAF/DD1348 for non-RFI component turn-in, determines availability or exchangeable component, distributes document copies to appropriate units: Exchangeable component available; • Sends VIDS MAF, DD1348, failed item, and records to AMSU • Sends yellow copy to customer Exchangeable component not available: • Sends yellow copy to DCU • Sends hardback to Requisition Control • Sends pink copy to customer	28 C9, 9-23		
Material Control (SQDN) ZM3	VIDS MAF	4790/60	Failed Item	WC	WC Personnel	Pool	Work Center Personnel	Fills out VIDS MAF to accompany failed item to Rotatable Pool.		44 S6, 71	
Material Control (SQDN) AM22	RFI Item Status Report	Verbal		DCU	Telephone			Receives notifcation that RFI material is available/not available. Takes failed (turn-in) item to DCU.			28 SIM, 151, 171, 178
DSPO/DSC AM27, AM29 AM31	VIDS MAF	OPNAV 4790/60	Failed (turn-in Item)	WC		DCU	Customer Personnel				

TABLE 1 (Continued)

Activity Name/No.	Information Type	Information Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No. NP	NZ	AA
Supply Dept.	Requisition copy	DD1348		Requisition Control		Supply Dept. File		Receives DD1348 (hardback copy) which indicates RFI materials have been delivered to customer, files copy into Supply POD file.	27 C9, 9-7		
Stock Control 284	Requisition (NC item)	DD1348		Main Issue II		S U A D P S		Performs inventory/financial control processing, updates files, prepares reports, reorders supplies,* sends all DD type forms to SUADPS.		7 81, 111	
	Black copy (issued item)	DD1348									
	Black copy	DD1348		PMB							
	Non-Navy item	DD1348-6 DD1348 DD1149 SA48		Customer	Customer	Off-ship		*(Off-ship).			
Stock Control 2S13	Proof of delivery	DD1348		Material Control		SUADPS		Receives DD1348 copies which indicate proof of delivery of RFI and BCM material. Prepares and issues documents for updating stock records, codes BCM documents for SUADPS.		42 86, 128	
	Proof of BCM	(X31) DD1348m		DCU							
	Coded BCM Documents										
CORM	CASREPT	MILSTRIP		Customer (Ship Div)	Customer	Off-ship activity	Radio	Transmits CASREPT messages to Off-ship activities.		10 81, 108	
Shipping 285	Maintenance Document	OPNAV 4790/2K	Failed Item	PMB	PMB Personnel	Off-ship activity		Completes shipping documents, packages failed item for off-ship shipping, ships package to appropriate activity.		11 81, 116	
	Shipping Document	DD1348-1									

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							NP	NZ	AA
ADP AS31	Requisition copy (CASREPT)	DD1348		CASREPT Section	CASREPT Section Personnel	System Coordinator	ADP Personnel	Receives DD1348 copies for CASREPT items from the CASREPT Section. Receives coded DD1348 information for low-priority and NC/NIS items from the System Coordinator. Takes the data from these requisition (1348) copies and key punches it onto computer cards. Carries processed requisition copies and key punched computer cards to the System Coordinator.			13 SIC, 196, 199, 218
	Requisition copy (issued item)			System Coordinator	System Coordinator	System Coordinator					
	MAF copy	4790/60		DCU	DCU Personnel						
	Requisition (MORS/NFE)	LRF		PMB	PMB Personnel	PMB	ADP Personnel	Receives MAF copy denoting BCM/RFI items from DCU, requisitions denoting NC/NIS for MORS/NFE items and status reports from PMB, DD1348m cards for WSU listing from WSU, MAF copy denoting RFI issued material from the Supply Screening Unit. Takes data from all sources and key punches it on computer cards which are carried to Stock Control. Takes data from the DD1348m cards and generates a WSU Listing which is carried to WSU. Key punches MORS/NFE (batched) data and status reports on cards and carries them to PMB.			57 SIM, 218
	MORS/NFE Status	Cards									
	Requisition Cards/ Update Cards	DD1348m		WSU	WSU Personnel	WSU					
	MAF Copy	4790/60		SSU	SSU Personnel	Stock Control					
ADP	Requisition Copy	DD1348		Pool		ADP File		Receives from pool original DD1348 copy which indicates that RFI materials have been issued, performs data keypunching, computer processing, and report generating.	23 G9, 9-16		
SUADPS Coordinator ZS14	Coded BCM Documents	DD1348m, X31		Stock Control PMB		Distribution ADP		Assembles and schedules all SUADPS updates, checks documents for accuracy, sends them to ADP, distributes ADP output, prepares documentation for inventory.		43 S6, 129	

TABLE 1 (Continued)

Activity Name/No.	Information Type	Information Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No. NP	NZ	AA
PMB	Requisition copy (NC/NIS)	DD1348		RCU		Off-ship	Naval Message	Receives requisitions annotated NC/NIS, codes the requisitions for SUADPS use, transmits message* directly off-ship, monitors customer requisition status reports. Receives BCM status from DCU.		12 S6,	
	Pool item (NC/ NIS)			Pool		SUADPS					
	Requisition Status Report	BCM Status (4790/11)		DCU		Customer (Material Control)		*Message Processing Data System.			
PMB AS32	Requisition	MILSTRIP		RAU	TTY	COMM	TTY	Adds routing identifier to NC/NIS item requisitions which are destined for off-ship activities, verifies the Type Equipment code, and transfers the adjusted requisition by teletype to COMM. Checks the LRF for Daytime Group and sends the original to Stock Control. Checks for those LRFs which are indicated as NORS/NFE. Batches NORS/NFE LRFs over the period of one day and sends them to ADP for keypunching. Sends LRF copies with WSU priority to WSU. Sends remaining LRF copies to customer (Material Control).			35 S1M, 222
		LRF		RCU	RCU Personnel	ADP (NORs/ NFE-batched) Stock Control (LRF original copy) WSU (LRF copy/ WSU priority) Customer (LRF remaining copies)	PMB Personnel				
Main Supply Control	Requisition NC/NIS	DD1348		RCU		remaining copies) Off Station		Receives requisition for NC/NIC items, prepares documents for off-station service, forwards documents to off-station activity, files document copies in local file.	20 C9, 9-22, 23		
	Original copy, Non-pool	DD1348		Warehouse/ Storeroom		File		Receives document copy, updates file, files document copy.	24 C9, 9-10		

TABLE 1 (Continued)

Activity Name/No.	Information Type	Information Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No. NP	NZ	AA
System Coordinator AS22	Requisition	DD1348		Technical Library	Technical Library person.	PES	System Coordinator	Receives and verifies data on DD1348, codes data, processes DD1348 according to MILSTRIP priority. Sends Hi-priority (NC/NIS) DD1348 to PES and Low-priority (NC/NIS) DD1348 to ADP.			5 SIC, 196
	Requisition Coded	DD1348		Receipt Section	Receipt Unit Personnel						
	Receipt	DD1348-1									
	Requisition (copy for issued item)	DD1348		Storeroom	Storeroom Personnel	ADP	System Coordinator				
	Requisition (original copy)	DD1348		PES	PES Personnel	ADP	System Coordinator	Collects and batches daily all NC/NIC, Hi-priority original requisition (DD1348) copies from PES and sends them to ADP.			9 SIC, 196
System Coordinator AS22	Requisition (original)	DD1348		ADP	ADP Technician	History File	System Coordinator	Receives processed requisition data, files DD1348 into Update File and DD1348 into History File.			11 SIC, 196
	(Key-punched)	DD1348m				Update File					
Receipt Unit AS23	Requisition copy	DD1348		Storeroom (S1-C division)	Storeroom Personnel	System Coordinator	Receipt Section Personnel	Codes the DD1348 and DD1348-1s and delivers them to the System Coordinator.			7 SIC, 198
	Shipping Receipt	DD1348-1		Receiving Section	Receiving Personnel						
PES AS25	Requisition (original copy)	DD1348		System Coordinator	System Coordinator	System Coordinator	PES Personnel	Prepares message from requisition (DAAS format). Transmits message to Communications via teletype, returns original copy (DD1348) to System Coordinator, sends one copy to customer, discards all other copies.			8 SIC, 201
	copy					Customer					
	Message	DAAS				Comm.	TTY				

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							NP	NZ	AA
SSU	Records Status Tag MAF-4	4790/60	RFI / BCM	AMSU	MDU	Warehouse pool		Receives RFI/BCM components and associated paperwork from AMSU, DD1348 (White copy) from DCU. Stamps RFI (as applicable) on White copy, screens components for status, initiates a DD1348-1 for BCM components; forwards RFI stamped white copy to DCU, RFI components along with MAF-4 and records (Logs) to warehouse/pool, BCM components together with MAF-4 and DD1348-1 to next point of action.	35 / C9, 9-20, 21		
	Supply Document	DD1348	-	-	-	Next Point of action					
	Requisition Copy (White)	DD1348	-	DCU		DCU					
	Requisition Copy (Yellow)	DD1348	-	RCU		SSU File	SSU Personnel	Receives 1348 yellow copy indicating NC or NIS, prepares backorder file for repairables that cannot be satisfied from on-station sources.	17 / C9, 9-20, 21		
SSU AS38	Shipping Document	DD1348-1		Shipping Section		SSU File		Receives copy of shipping document for items shipped off-ship. Puts document into file.			51 / 81M, 236
SSU ZS18	VIDS MAF	4790/60	RFI (Non-pool)	DCU		Storeroom (Non-pool)		Screens components, directs components according to status. Sends BCM item to Packing/ Shipping, non-pool items to storeroom, pool items to Rotatable pool.		35 / S6, 134	
			RFI (Pool)	DCU AMSU		Pool					
			BCM	AMSU / DCU		Packing/ Shipping					
SSU AS38	MAF copy	4790/60	RFI/BCM	AMSU	MDU	ADP		Screens incoming items and separates them into RFI and BCM, separates RFI items into ExRep and non-ExRep. Separates non-ExRep RFI items into pool and non-pools. Sends MAF copy for all non-ExRep RFI items to ADP. Sends pool items to the Rotatable pool. Sends non-pool items to the storeroom. Sends RFI items which are ExRep to ERU. Sends BCM items with shipping document to the Shipping Section.			50 / 81M, 236
						Pool					
						Storeroom					
						ERU					
						Shipping Section					

TABLE 1 (Continued)

Activity Name/No.	Information: Type	Information: Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.: NP	NW	AA
AWP AS34	VIDS MAF	OPNAV 4790/60	Non-RFI item	AIMD WC	AIMD Runner	Temporary Storage (AWP)	AWP Personnel	Receives failed item and VIDS MAF from AIMD (work center). This item requires parts which are not available. Initiates a requisition for required parts and sends it to RCU. Puts the failed item with VIDS MAF into temporary storage. Secures parts from WSU and delivers failed item, VIDS MAF and parts to AMSU/AIMD.			41 SIM, 227
	Requisition copy	LRF	RFI requested parts	WSU	AWP Personnel	RCU (complete requisition)					
						AMSU (non-RFI item, VIDS MAF, parts)	AIMD runner				
AWP ZS15	VIDS MAF	4790/60	AWP	DCU		RCU		Receives AWP status items, temporarily stores item and related paperwork, completes a DD1348 form, requisitions required parts for AWP status items.		37 S6, 130	
	Requisition	DD1348	-								
	Requisition copies	DD1348	RFI parts	Requisition Control		DCU		Receives RFI parts for AWP status item, matches parts with item, sends parts, item and paperwork to DCU.		38 S5, 130	
	VIDS MAF	4790/60	AWP items								
ERU AS36	VIDS MAF copy	OPNAV 4790/60	RFI (Ex-Rep)	SSU	SSU Personnel	Material Control (Notification item available)	Telephone	Receives items and accompanying documents stamped "Ex-Rep" (RFI item (previously failed) or nearly failed item). Puts the requisition form and MAF (yellow copy) on the ExRep VIDS Board. Attaches the remainder of the VIDS MAF to the failed item and carries it to AMSU. When RFI items are received, pulls the associated requisition form/ MAF (yellow copy) from VIDS Board and completes yellow copy. Telephones Material Control that RFI item is available, delivers RFI item to Work Center personnel.			48 SIM, 231
	VIDS MAF Requisition	4790/60 DD1348/ LRF	Failed item (Ex-Rep)	Pool	Pool Personnel	Work Center (RFI item/ MAF copy)	WC Personnel				
			Failed item			AMSU (Failed item/ VIDS MAF)	Ex-Rep Personnel				

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							H P	H Z	A A
AEU AS35	Requisition (Engine buildup)	LRF		RCU	RCU Personnel	AIMD (production Control) • Notification (Engine buildup) • Engine Log Bk.		Receives requisition for an engine to be assembled. Notifies AIMD (Production Control) and sends it the Engine Log Book.			42 SIM, 228
	Notification (New aircraft Engine received) Engine Log Book			Receiving Section	AEU Personnel	S1-M Div. Officer (New Engine received Message)	AEU Personnel	Notified that a new engine and log book have been received by the Receiving Section, AEU acquires the Aircraft Engine Log Book, prepares a receipt message for COMNAVAIRLANT which is sent to the S1-M Division officer (for authorization) and then to Radio Communication for transmission.			43 SIM, 228
						COMM (new Engine received)					
	Aircraft Engine Log Book (Engine BCM)	DD1348-1		AIMD (Production Control)		Shipping Section		Receives Aircraft Engine Log Book (Engine BCM) from AIMD; prepares Naval Message (Engine BCM) which is first sent to the S1-M Division Officer (for authorization), prepares shipping document (DD 1348-1) which is sent along with Aircraft Engine Log Book to the shipping section.			44 SIM, 228
	Shipping Document										
	Naval Message (Engine BCM)					S1-M Division Officer					
AEU AS35	Notification (RFI Engine delivered)			AIMD (Production Control)	AIMD Personnel	Customer (LRF Copies)	AEU Personnel	Receives notification that assembled aircraft engine has been delivered to customer, sends two copies of LRF to customer, enters one LRF copy into Proof-of-Delivery file.			47 SIM, 228
						AEU Proof of delivery file (LRF copy)					

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							N P	N Z	A A
RAU AS29	Requisition (Repairables)	DD1348/ LRF		RCU	RCU Personnel	DCU (item not available)	MDU	Receives requisitions for repairable items, enters data in log, screens stock records, determines item availability, enters storeroom location of item on requisition. If item available, sends: • Status request to customer • Non-Pool to Storeroom • Pool to Rotatable Pool If item not available, sends requisition to DCU.			24 SIM, 212
				Stock Control	Stock Control personnel	Storeroom (non-pool)					
						Pool (pool item)					
						Customer (status)	Telephone				
RAU AS29	VIDS MAF	OPNAV 4790/60	RFI-Non-RFI	DCU	DCU Personnel	Storeroom (RFI items)	Storeroom Personnel	Receives material and accompanying VIDS MAF, determines appropriate storage location for RFI material. For non-RFI material; screens Stock records to determine if item is to be reordered, updates Log; prepares an Issue Document which goes to Stock Control, MILSTRIP requisition which goes to PMB, Shipping Document which goes with failed item off-ship. If BCM, updates Log Book.			25 SIM, 212
	Issue Document	X31				PMB (MILSTRIP Requisition)	RAU Personnel				
	Shipping Document	DD1348-1	Non-RFI				RAU Personnel				
						Shipping section (non-RFI item, DD1348-1)	RAU Personnel				
	BCM Document					RAU file	RAU Personnel				
						RAU log	RAU Personnel				

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							M - P	M Z	A A
Shipping Section AS39	Shipping Document	DD1348-1	Non-RFI	Ships Division	Ships Division Personnel	OFF SHIP	Transfer Equipment	Packages the material to be transferred off-ship and attaches the accompanying shipping document (DD1348-1). Prepares a Transportation Control Movement Document (TCMD) if multi-items are to be sent to one destination. Ship's Division/Squadron Material Control sends both RFI and non-RFI items. RAU sends non-RFI items. Supply Screening Unit sends BCM items. AEU sends Aircraft Engine Log Book. All are accompanied by shipping documents (DD1348-1).			52 SIM, 238
				Squadron Material Control	Material Control Personnel						
				RAU	RAU Personnel						
			BCM	SSU	SSU Personnel						
			Aircraft Engine Log Book	AEU	AEU Personnel						
						SSU (DD1348 -1 copy)	Shipping Personnel				
Receiving Section AS41	Shipping Document	DD1348-1	Supply Support	Off-Ship	Transfer Equipment	Store-room	Storeroom Personnel	Receives Supply Support material together with shipping documents, aircraft engine log books for new engines received, and other ship resupply material. Removes the shipping documents from the material and compares them to the MESL (which is kept in office). From this comparison, material can be assigned to the appropriate storerooms. Sends material with a WSU priority code to WSU. Sends aircraft engine Log Books for new engines received to AEU. Sends receipt documents to PMB.			58 SIM, 243
	Document with WSU priority code					WSU	WSU Personnel				
	Aircraft Engine Log Book (New Engine Received)					AEU	AEU Personnel				
	Receipt Document					PMB	PMB Personnel				

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							N P	N Z	A A
WSU AS33	Requisition copy/ WSU priority	LRF		PMB	PMB Personnel	WSU • Proof of delivery file (LRF copy) • Pending file (LRF copy) • Material (temp. storage)	WSU Personnel	Receives LRF copies that have a WSU priority code from PMB for items to be requisitioned from off-ship. Fills out a 1348m card which is sent to ADP, files LRF copies in both pending and proof of delivery files, picks up incoming material (off-ship) and DD1348-1 from Receiving Section, screens material for document number and quantity. Puts material in temporary storage. Receives status messages from the SI-M Div. Officer and updates DD1348m cards. Sends AWP material with LRF copy to AWP. Sends non-AWP material with LRF copy to Material Control.			39 SIM, 225
	Status Message			SI-M Div. Officer	CCS Personnel						
	Shipping document	DD1348-1	RFI	Receiving section	WSU Personnel						
	WSU Listing (update)			ADP	ADP Personnel						
						AWP (material, LRF copy)	AWP Personnel				
						ADP (Requisitions cards, update cards)	WSU Personnel				
						Customer (Material Control)	WSU Personnel				

TABLE 1 (Continued)

Activity Name/No.	Information Type	Information Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No. NP	NZ	AA
AMSU/AIMD ZM10	VIDS MAF DD1348 / MAF-2	4790/60	Non-RFI item	Material Control	MDU	WC / DCU		Receives Non-RFI item and associated documents, screens documents, sends MAF-2 to DCU, Non-RFI item to Work Center.	30 / C9, 9-23	32 / S6, 96	
AMSU/AIMD ZM10	MAF 1, 4 / VIDS MAF / Condition Tag	4790/60 / DD1574 DD1577-2	RFI/BCM / AWP	AIMD WC		DCU/ SSU/ AWP		Receives RFI/BCM/AWP components with associated documents from AIMD Work Center. Compares component documents with those within AMSU file. Sends RFI/BCM/AWP components and documents to Supply.	34 / C9, 9-23	33 / S6, 96	
AMSU/AIMD	Repair requirements, Repair time estimate			RCU		RCU		Receives request for repair-time estimate, makes repair-time estimate, forwards estimate to Requisition Control.	15 / C9, 9-7		
AMSU/AIMD ZM10, AM24	VIDS MAF	4790/60	Failed Item (Pool) / RFI item (pool)	Pool		SSU		Receives failed repairable component and required documents; distributes these to appropriate destinations, updates file, determines AIMD capability. Issues RFI components. Sends pool-customer-replacement item to Rotatable Pool. Sends others to SSU via DCU.		46 / S6, 96	31 / SIM, 160
Production Control AM23	Notification (Engine Buildup) / Aircraft Engine Log Book			AEU	AEU Personnel	Customer (RFI aircraft Engine Log Book) / AEU (RFI Engine delivered notification)	Customer Personnel / AIMD Runner	Receives Aircraft Engine Buildup requirement and Engine Log Book, assembles engine, sends RFI engine and Log Book to customer, sends notification of delivery to AEU.			45 / SIM, 156, 228

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							N P	N Z	A A
Pool	Requisition	DD1348	RFI pool, Repairable	Stock Locator / TRU	MDU	Material Control / ADP (Original Copy DD1348)	MDU	Receives requisition from MDU, removes RFI item from stock, issues RFI item, enters Julian date on original copy of requisition, notes issue on pool stock record by Job Control Number, sends original requisition copy to Data processing.	11 / C9, 9-15, 16		
Pool ZS16	VIDS MAF	4790/60	Failed Pool item	Material Control/WC	MDU/WC Technician	AMSU		Issues RFI items to customer. If requested items are NIS, forwards paperwork to AMSU. Updates file.		45 / S6, 132	
	MAF-4		RFI item	Pool Stock		Material Control Work Center	MDU/ Work Center Technician				
Pool AS37	Requisition (pool/ CLAMP)	DD1348/ LRF		TRU	SRS Runner	Exchangeable item available		Receives requisition document, checks VIDS Board for item availability on store shelves; if available, issues the item to the Work Center Personnel. If exchangeable item is available, sends failed (turn-in) item with VIDS MAF to AMSU and puts MAF copy on his Outstanding Induction Board (OIB). If exchangeable item is not available, stamps all copies of VIDS MAF "Ex-Rep" and carries them together with the requisition and failed item to ERU. Gives the customer (Work Center) a DD1348 copy for proof of delivery.			49 / SIM, 233
	(pool)			RAU	MDU						
	VIDS MAF	4790/60	Failed item	WC	WC Personnel	e Outstanding Inductions Board (MAF copy)	Pool Personnel				

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							NP	NZ	AA
Pool AS37	Requisition (pool/ CLAMP) (pool) VIDS MAF	DD1348/ LRF 4790/60	Failed item	TRU RAU WC	SRS Runner MDU WC Personnel	• WC (RFI item/ DD1348 copy)	Work Center Personnel				49 SIM, 233
						• AMSU (Failed item/ VIDS MAF)	Pool Personnel				
						Exchangeable item not available					
						• WC (DD1348 copy-proof of delivery)	WC Personnel				
						• ERU (Failed item/ LRF/DD 1348 VIDS/MAF)	Pool Personnel				
Pool ZS16, AS37	MAF Copy	4790/60	RFI (pool)	SSU	CCS runner	Pool Storage Shelves	Pool Personnel	Receives RFI (repaired) pool items and MAF copy, enters necessary data into file, puts RFI items on shelves.		41 S6, 132	55 SIM, 233
Pool ZS16	MAF-4		RFI customer replacement item	AMSU		Customer	Customer	Receives RFI-customer-replacement item, updates file, notifies customer, issues item to customer.		48 S6, 132	

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							N P	N Z	A A
DCU A830	VIDS MAF	4790/60	Failed (turn-in)	Customer (Material Control-SQDN)	Customer Personnel	AMSU	DCU Personnel	Receives VIDS MAF and failed item from customer. Stores temporarily RFI item if available. Files appropriate documents. Gives RFI item to customer (replacement item). Sends failed item and VIDS MAF to AMSU (to be repaired). If material is not available (NIS), sends the failed item and VIDS MAF to AMSU, MAF copy to customer, MAF copy to I Owe You file, and a MAF copy to Ex-Rep desk.			29 SIM, 214
	Copy		RFI			Customer	Customer				
	(Replacement item not available)										
	MAF copy		-	-	-	Ex-Rep desk (DCU)	DCU Personnel				
DCU A830	MAF copy Status Tag	4790/60	BCM/RFI	AMSU	AMSU Personnel	Customer (RFI customer due item)	Customer	Receives BCM/RFI items, MAF copies and status (condition) tags from AMSU. Separates items into two types: Customer DUE and Non-Customer Due. Sends RFI customer due item to customer. Sends all other RFI/BCM items to RAU, also sends MAF copy to ADP.			33 SIM, 214
						RAU (RFI non-customer due item and BCM item)	MDU				
						ADP	MDU				
DCU A830	Requisition (NC items)	DD1348		RAU	MDU	Customer (material Status)	Telephone	Receives requisitions for NIS items from RAU. Receives information (requisition copy if material available/NIS) and repairable material (if available) from storeroom. Files requisitions in Ex-Rep Due-In File and Repair Desk. Delivers RFI material to temporary storage.			27 SIM, 214
	Requisition		RFI	Storeroom/ RAU	MDU	Temp. Storage (RFI item)	DCU Personnel				
	NC					Due-in File (DCU)					
						Ex-Rep Repair desk					

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							N P	N Z	A A
DCU ZS11	VIDS MAF (MAF-2)	OPNAV 4790/60		AMSU	MDU	DCU File	DCU Personnel	Receives MAF-2 from AMSU, files MAF-2 into DCU file.		49 S6, 125	
	VIDS MAF	4790/60	RFI, BCM	AMSU		SSU		For RFI components, matches the MAF copy on file with the component copy, updates file, sends RFI/BCM components to SSU, AWP components to AWP, initiates and sends BCM status to PMB, proof of BCM to Stock Control.		34 S6, 125	
ZS11	VIDS MAF	4790/60	AWP			AWP					
	BCM Status	4790/11 (copy)				PMB					
	Proof of BCM					Stock Control					
DCU ZS11	Requisition copy (Repairable)	DD1348	Non-RFI	AWP		AMSU	MDU	Maintains files of all repairable items in repair cycle, sends failed items and associated paperwork to AMSU.		31 S6, 125	
				RCU							
	VIDS MAF Signed document	4790/60 DD1348		AWP, Material Control	MDU						
	MAF-2	4790/60		AMSU							

TABLE 1 (Continued)

Activity Name/No.	Information Type	Information Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No. NP	NZ	AA
MDU ZS9	Requisition	DD1348	RFI Material	Storeroom/pool Stock Locator	MDU	Material Control	MDU	Delivers material and associated document among storeroom/pool, customer, and AIMD.	10 C9, 9-10	24 86, 121	
	VIDS MAF Logs/ records, Supply document	OPNAV 4790/60 DD1348	Non-RFI Material	Material Control		AIMD DCU Storeroom Pool					
	Warehouse refusals	DD1348		Warehouse Storeroom		TRU					
DCU/CCS	Requisition (White Copy)	DD1348		SSU	MDU	DCU File	DCU Personnel	Receives 1348, updates file, holds 1348 for MAF-2 comparison, and then forwards DD1348 (white copy) for non-pool repairables to Supply Screening Unit (SSU).	4 C9, 9-12, 13		
	Requisitions: Non-pool	DD1348		TRU		SSU		Receives RFI stamped white copy from SSU, files copy in JCN sequence; holds until corresponding MAF-2 is received from AMSU.			
	Pool	DD1348				pool					
	AIMD Capability			RCU		RCU		Coordinates with AIMD to determine AIMD capability for satisfying NC/NIS requisitions.	13 C9, 9-7		
	Requisition Control (NC/ NIS)	DD1348	-	RCU		Material Control (SQDN)		Receives DD1348 for AIMD repair, updates files, informs Material Control on status of requisition.	18 C9, 9-7		
	Requisition Copy (Yellow)	DD1348		Material Control (SQDN)	MDU	DCU File	DCU Personnel	Receives 1348 (yellow) copy which indicates a defective turn-in item is due. Files copy in Job-Control-number sequence, follows up daily to ensure timely turn-in of defective components. Receives MAF-2 from AMSU. Holds MAF-2 until repair is made.	31 C9, 9-13		
	MAF-2	4790/60		AMSU							

TABLE 1 (Continued)

Activity Name/No.	Information Type	Information Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No. NP	NZ	AA
Storeroom (S1M-Div.) AS40	Requisition	DD1348	RFI	RCU	MDU	Stock Control (LRF/ DD1348 original copy)	Storeroom Personnel	Receives requisitions (LRF/DD1348). Issues item (RFI), obtains customer signature, temporarily files original copies (DD1348) and turns them in daily to Stock Control (S1-C), returns complete LRF to RCU for NC/NIS items, issues consumable items to customer. Sends requisitioned repairable items and paperwork to DCU. Returns requisitions for repairable items which are not available to DCU.			53 S1M, 240
						Customer (RFI items)	Customer				
	(Consumables)					RCU (LRF/ DD1348-NC/NIS)	MDU				
	(Repairables)	DD1348/ LRF		RAU	RAU Personnel	DCU	MDU				
Pool/Storeroom ZS16, ZS10	MAF-4	OPNAV 4790/60	RFI-pool/ Non-Repairable	SSU	MDU	Pool/Storeroom Storage Shelves	Pool/Storeroom/Personnel	Receives RFI component, logs/SRC (Scheduled Removal Component) card and MAF-4 from SSU. Stows repairables, notes receipt.	36 C9, 9-15, 16	40 86, 132	
Storeroom AS40	Shipping Document	DD1348-1 DD250 DD1149	Off-ship	Receiving Section	Storeroom Personnel	Storeroom Storage	Storeroom Personnel	Receives material with paperwork from various off-ship sources, RAU, and SSU. Goes to Receiving, acquires and transfers these items to the storeroom, puts items into bins, drawers, etc., and sends shipping document to Stock Control.			54 S1M, 240
	VIDS MAF	OPNAV 4790/60	RFI (Non-Pool) (Non ExRep)	SSU		Stock Control					

TABLE 1 (Continued)

Activity Name/No.	Information Type	Information Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No. NP	NZ	AA
Storeroom ZS3, AS40	Requisition	DD1348	RFI	Tech. Library (SIC) Main Issue II (S1) Storeroom Stock	Customer Personnel	Sys. Coordinator Receipt Section (S1C) Main Issue II (S1) Customer	Storeroom Personnel Main Issue Personnel	Receives processed requisition, issues RFI material, updates file (using requisition information). Sends DD1348 copies to appropriate supply activities.		6 S1, 110	4 S1C, 240
Storeroom	Requisition (Non-pool) Requisition Copies	DD1348	RFI	Stock Control	MDU	Material Control (SQDN) Main Supply Control TRU	MDU	Receives requisition for non-pool item which is carried. Issues item. Sends RFI item and DD1348 copy to Material Control, original DD1348 copy to Main Supply Control, and another DD1348 copy (warehouse refusal) if necessary to Technical Research.	21 C9, 9-9, 10		
Storeroom ZS10	Requisition NC/ carried NIS	DD1348	RFI	MDU	MDU	Material Control RCU	MDU	Issues RFI material, obtains signature for classified items.		25 S6, 122	

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							NP	NZ	AA
Stock Locator	Requisition	DD1348		TRU		TRU (NC/NIS) MDU		Receives non-pool requisitions, determines availability and location of items, sorts requisitions into carried and NC/NIS categories, and states location of carried item on requisition. Forwards carried item requisition to MDU; NC/NIS to Technical Research.	6/C9, 9-9		
	Requisition NC/NIS, (NORS, NFE)	DD1348		Stock Locator		TRU (NC/NIS) MDU (carried)		Physically checks storeroom for NC/NIS items when requisition is marked NORS/NFE.	8/C9, 9-9		
Stock Locator	Subetitute item/List			TRU		MDU	MDU	Receives substitute item list for NC/NIS, indicates warehouse location on requisition, and forwards to MDU.	9/C9, 9-9		
Stock Locator ZS8	Requisition	DD1348		TRU		MDU		Looks up storeroom location for requisitioned items; indicates location of substitute items, gives requisition to MDU.		23/S6, 120	

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							N P	N Z	A A
CASREPT Unit AS24	CASREPT Report/ Message Requisition	DD1348		Customer		Communications	Customer	Validates customers message, properly fills out a CASREPT message (typed). Sends message to Ships Communications. Sends DD1348 (hard copy) to ADP, sends DD1348 (green copy) to Ship's Division, and files remaining copies into CASREPT file.			3 / S1C, 199
	Requisition (Hard copy)					ADP					
	Requisition (Green copy)					Ship Division					
	Remaining Requisition copies					CASREPT File	CASREPT Section Personnel				

TABLE 1 (Continued)

Activity Name/No.	Information: Type	Information: Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./Source/Page No.: NP	NZ	AA
PMB ZS2	CASREPT o report o message	MILSTRIP		Customer (Ship Div)	Customer	Customer / Stock Control	Customer	Extracts data from DD1348, prepares CASREPT message, fills in supply date on CASREPT report, gives both CASREPT message and report to customer, sends DD1348 (black copy) to Stock Control.		4 / S1, 108	
	Black copy	DD1348									
	Request for NSN	Verbal		Customer	Customer	Customer	Customer	Researches documents for NSN, gives NSN to customer.		5 / S1, 108	
PMB ZS2	Requisition copy (red),	DD1348		Main Issue II		Shipping/ Receiving	PMB Personnel	For Mandatory turn-in repairable items, receives a DD1348 (red copy) from Main Issue II, makes a shipping document (DD1348-1), carries it to Main Issue II, matches documents, takes documents and failed items to shipping and receiving.		8 / S1, 108	
	Shipping Document,	DD1348-1									
	Maintenance Document	4790/2K									
PMB AS32	Status Report (NORS/ NPE)			S-1 Div Officer		ADP (NOR/ NPE items)	PMB Personnel	The PMB NORS/NPE Expediter files LRFs in his file. The PMB supervisor screens the incoming messages for NORS/NPE status, Expediter enters status on punched cards and sends updated cards to ADP for key punching.			37 / SIM, 222
	Requisition	LRF, key punched cards		ADP	ADP Personnel	PMB File (key punched cards)					
PMB AS32	Updated NORS/NPE Status / Naval Messages (completed action)			ADP	ADP Personnel	Off-ship Activities	COMM	Receives key punched cards with updated NORS/NPE status from ADP. Receives receipt document from Receiving Section for Material from off-ship activity. Prepares completed action message (Naval Message), sends message off-ship, puts a copy into file.			38 / SIM, 222
	Receipt Document			Receiving Section	PMB Expediter	PMB File	PMB Personnel				

TABLE 1 (Continued)

Activity Name/No.	Information: Type	Information: Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.: M P	M Z	A A
TMU	Requisition - (Consumables)	DD1348 copies		RCU		Destroyed		Destroys DD1348 white and yellow copies for consumables.	5 / C9, 9-9		
	Requisition (NC/NIS)	DD1348		Stock Locator	MDU	Stock Locator		Receives requisitions for NC/NIC items, determines substitute items using research documents, makes appropriate entries on requisitions, sends those without substitute item to Requisition Control.	7 / C9, 9-9		
						Pool	MDU				
	Warehouse refusal			Warehouse		Requisition Control		Determines substitute item, forwards requisitions to appropriate units, requisitions without substitute item are sent to Requisition Control.			
Main Issue II ZS1	Requisition (black, red copies)	DD1348	Failed (Turn-in)	Customer (Ship Div)	Customer	PMB		Receives failed repairable (turn-in) component, DD1348 (black, red copies), 4790/2K. Sends red copy to PMB. [Black copy to storeroom (for carried item) or to stock control (for NC items)]. Temporarily holds turn-in component and 4790/2K for PMB Processing.		3 / S1, 106	
	Maintenance Document	4790/2K				Main Issue II					
Main Issue II ZS1	Requisition (black copy)	DD1348		Storeroom		Stock Control		Receives DD1348 (black copy) for issued item, updates file, forwards black copy to Stock Control.		13 / S1, 106	

TABLE 1 (Continued)

Activity Name/No.	Information Type	Information Format	Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No. MP	MZ	AA
TRU ZS7, AS26	Requisition	DD1348/ LRF		RCU	RCU Personnel	Pool/ CLAMP RCU Non-pool/ CLAMP (S1M) Stock Locator (MP, S6) DCU (MP)	SRS Runner	Receives requisitions, checks part number, determines stock number and price, lists substitute items, makes appropriate entries on requisition and sends them to the appropriate activity.	3/ C9, 9-8	22/ S6, 119	22/ S1M, 206
Main Issue II ZS1				Customer (Ship Div)	Customer	Storeroom				2/ S1, 106	
Technical Library AS21	Requisition	DD1348		Customer (Ship Div)	Customer Personnel	Storeroom	Customer Personnel	Checks requisition data using documents which give availability and location of the item, verification of unit of issue, quantity, and unit price. Initiates DD1348 for consumables which are found to be carried and available, initiates a DD1348-1 for repairable items that are available on ship, files DD1348-1 copy into its file. Prepares shipping document (DD1348-1) for NS/NIS item which is forwarded to Shipping Section. Sends DD1348 copy for NC/NIS item to customer. Sends remaining DD1348 for NC/NIS items to System Coordinator. Sends DD1348 for carried items to storeroom.			2/ S1C, 193
						System Coordinator	Technical Library Personnel				
						Customer File	Customer Personnel				
	Turn-in Document	DD1348-1		-	-	Shipping Section					
						Technical Library File	Technical Library Personnel				

TABLE 1 (Continued)

Activity Name/No.	Information		Material Type	From	Means of Transfer	To	Means of Transfer	Process Description	Process No./ Source/ Page No.		
	Type	Format							H P	H Z	A A
RCU ZS6, AS27	Requisition	DD1348/ LRF		Customer	Customer Personnel	TRU (MP, S6, S1M) DCU (S6) RAU AEU (S1M)	RCU Personnel	Receives requisitions (DD1348/LRF) or demand (via TTY) for parts from the customer. Initiates a DD1348 if required. Updates register and forwards requisition copies to appropriate intra-ship activities.	2 C9, 9-6	21 S6, 117	21 S1M, 208
	Requisition	DD1348		TRU (MP) Storeroom (S6)	MDU	CCS/Main Supply Control (MP) PMB/ Customer (S6)		Receives requisitions from storeroom for NIS items, updates file, initiates status report for the customer and sends requisition to appropriate ship activity.	12 C9, 9-7	27 S6, 117	
	AIMD capability Status report			CCS/ DCU		AIMD		Forwards requisition to AIMD for repair time estimate.	14 C9, 9-7		
	Repair Time estimates / Requisition	DD1348		AIMD		CCS / Material Control / SSU / Main Supply		Receives repair time estimate, distributes documents indicating: AIMD - BCM, AIMD versus off-ship Repair Time. o 1348 → Main Supply o NC/NIS Status → Customer o AIMD versus off-ship repair time, 1348 → CCS o 1348 → SSU	16 C9, 9-7		
	Requisition copy	DD1348		Material Control		Supply Department		Receives DD1348 (hardback copy) makes appropriate entry in register, forwards copy to Supply Department (proof of delivery).	26 C9, 9-7		
						RCU File			32 C9, 9-7		
RCU AS27	Requisition	DD1348/ LRF		TRU	SRS Runner	Storeroom	MDU	Receives and screens requisitions for carried, NC, NIS items. Updates records and sends those for carried items to storeroom, those for NC/NIS items to PMB.			S1M, 208
				Storeroom	MDU	PMB / RCU Data File	RCU Personnel				

TABLE 2 - PROCESS SELECTIVITY FACTORS

CATEGORIES

- Repairable
- Consumable (throw-away)
- Exception List*

STORAGE

- CLAMP
- Rotatable Pool
- Classified
- Flammable
- Awaiting Parts
- Engines
- AVCAL/COSAL
- Corrosive**

PRIORITIES

- Hi-Low Priorities
- Category
  - I, Essential-Safe Flight
  - II, Non-Essential Safe Flight
  - III, Consumable-Work Center Ship Support***
- CASREPT
- ANORS, NORS, NFE
- UMMIPS/IPG

---

*Components which disable a/c - when removed.

**Work Stoppage item.

***Rags, oil, goggles, tools.

TABLE 2 (Continued)

DESCRIPTION (Information/Material)

1348, 1348-1,* 1348M

LRF, VIDS MAF

Large Size/Heavy Item, Bulk

High Dollar Value

Direct Turn Over

RFI/Non-RFI

BCM

REQUESTORS

Squadron Material Control

AIMD Material Control

Ship Organization--Air, Engineering, and Operations Departments

AVAILABILITY

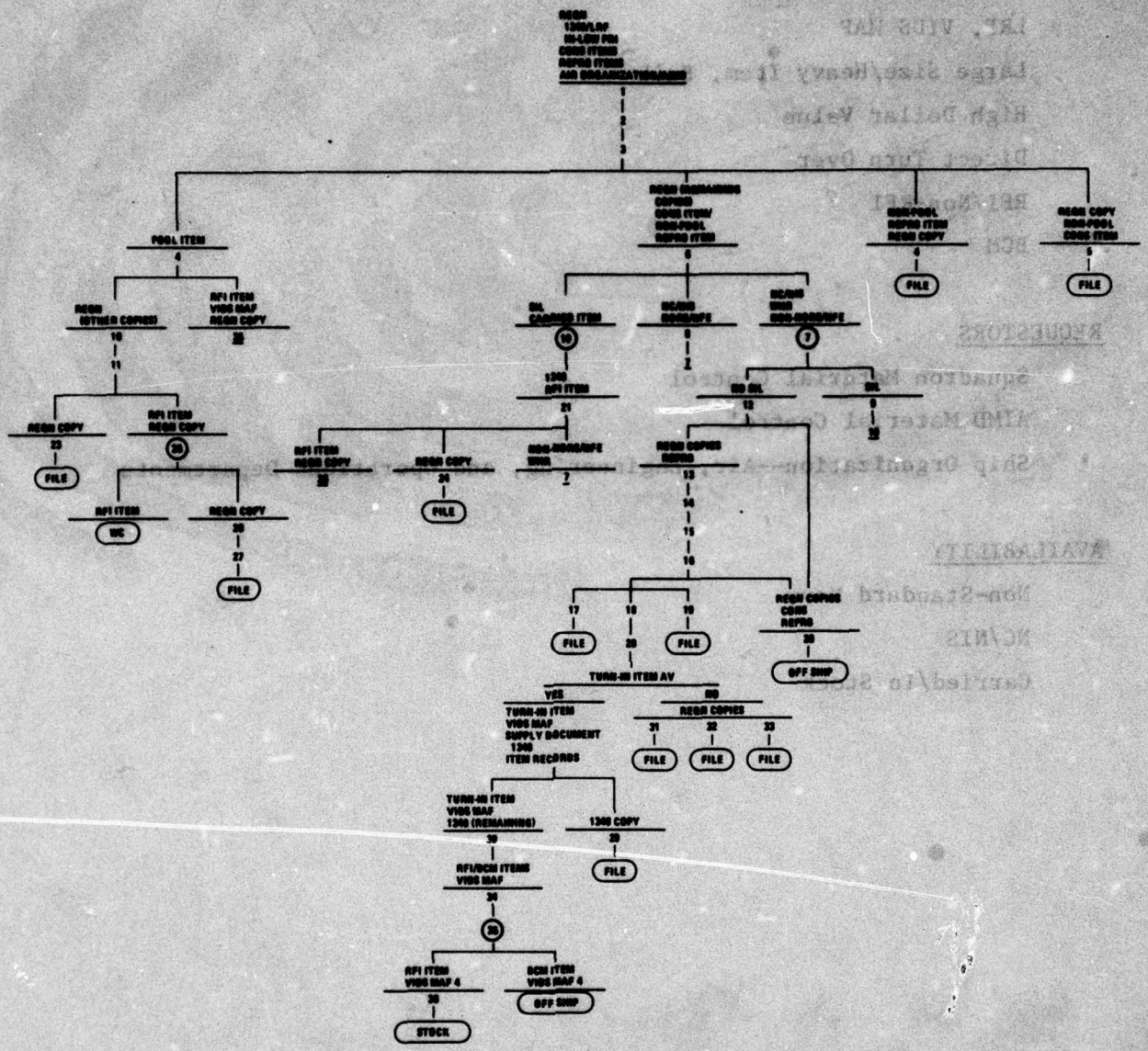
Non-Standard Navy

NC/NIS

Carried/In Stock

---

*Other shipping documents (DD Forms 250, 1149, etc).


POOL ITEM
4
FILE
FILE
FILE

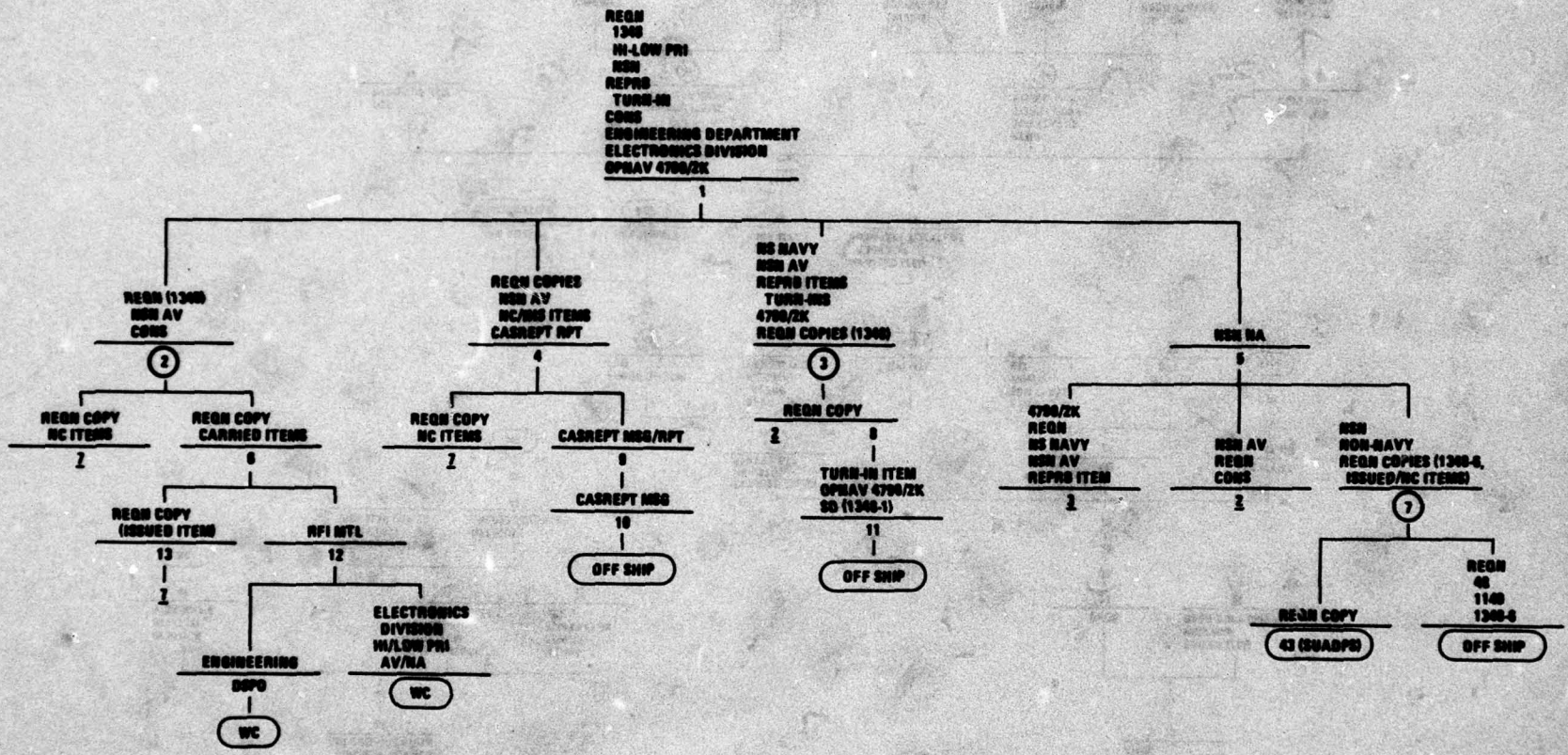


Figure 5 - NIMITZ (S1), Process Number Sequence Pattern

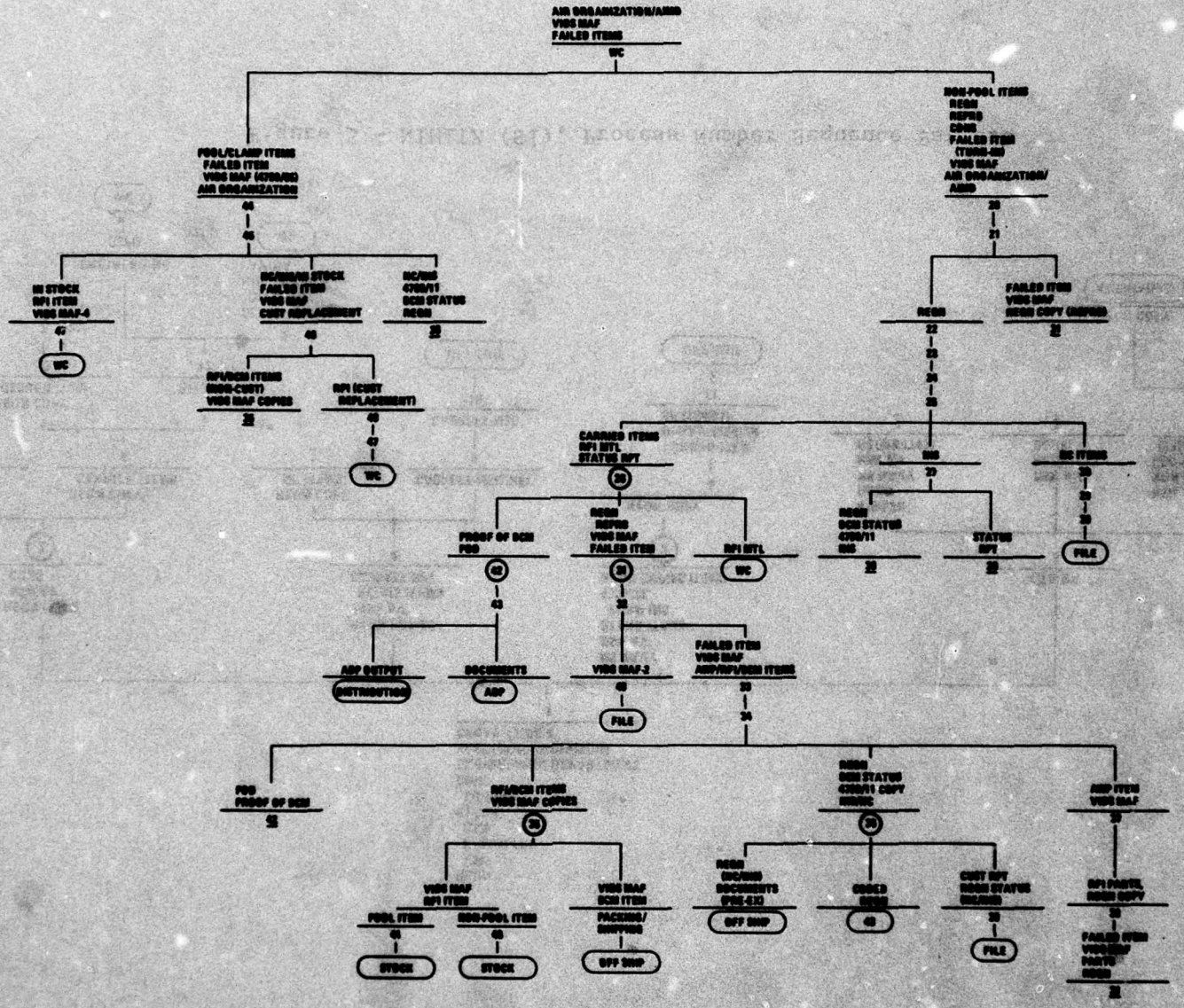


Figure 6 - NIMITZ (S6), Process Number Sequence Pattern

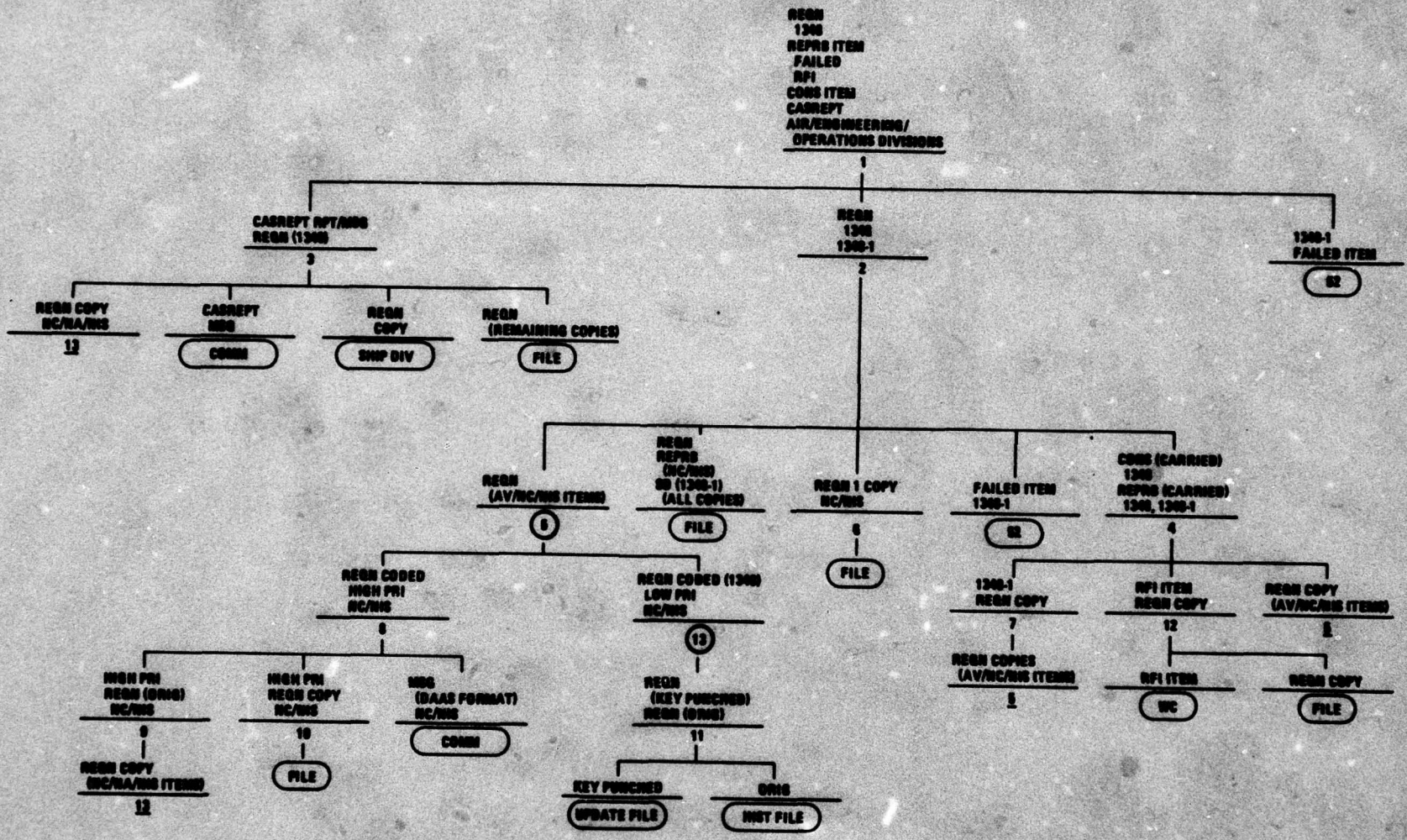
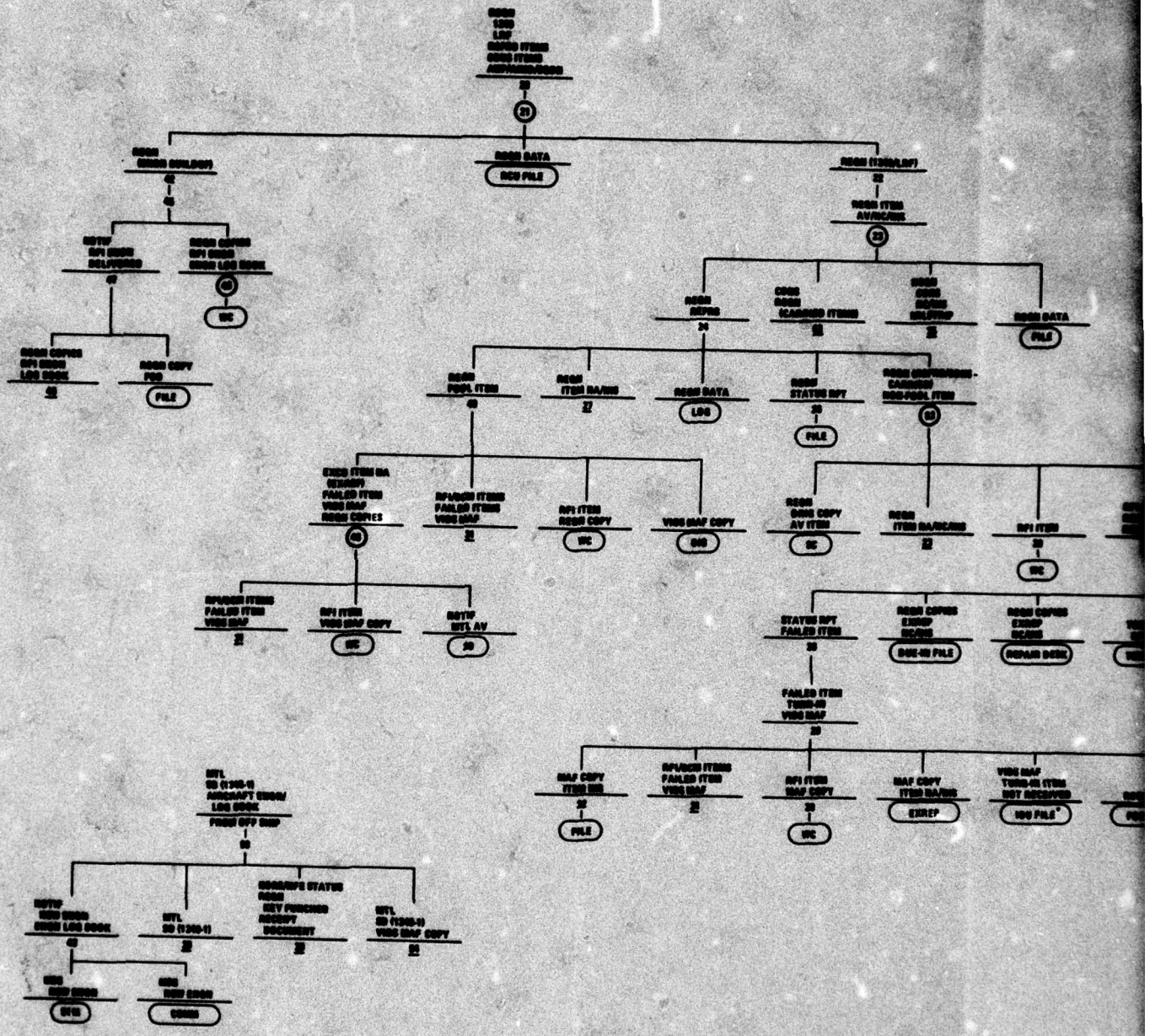


Figure 7 - AMERICA (S1C), Process Number Sequence Pattern



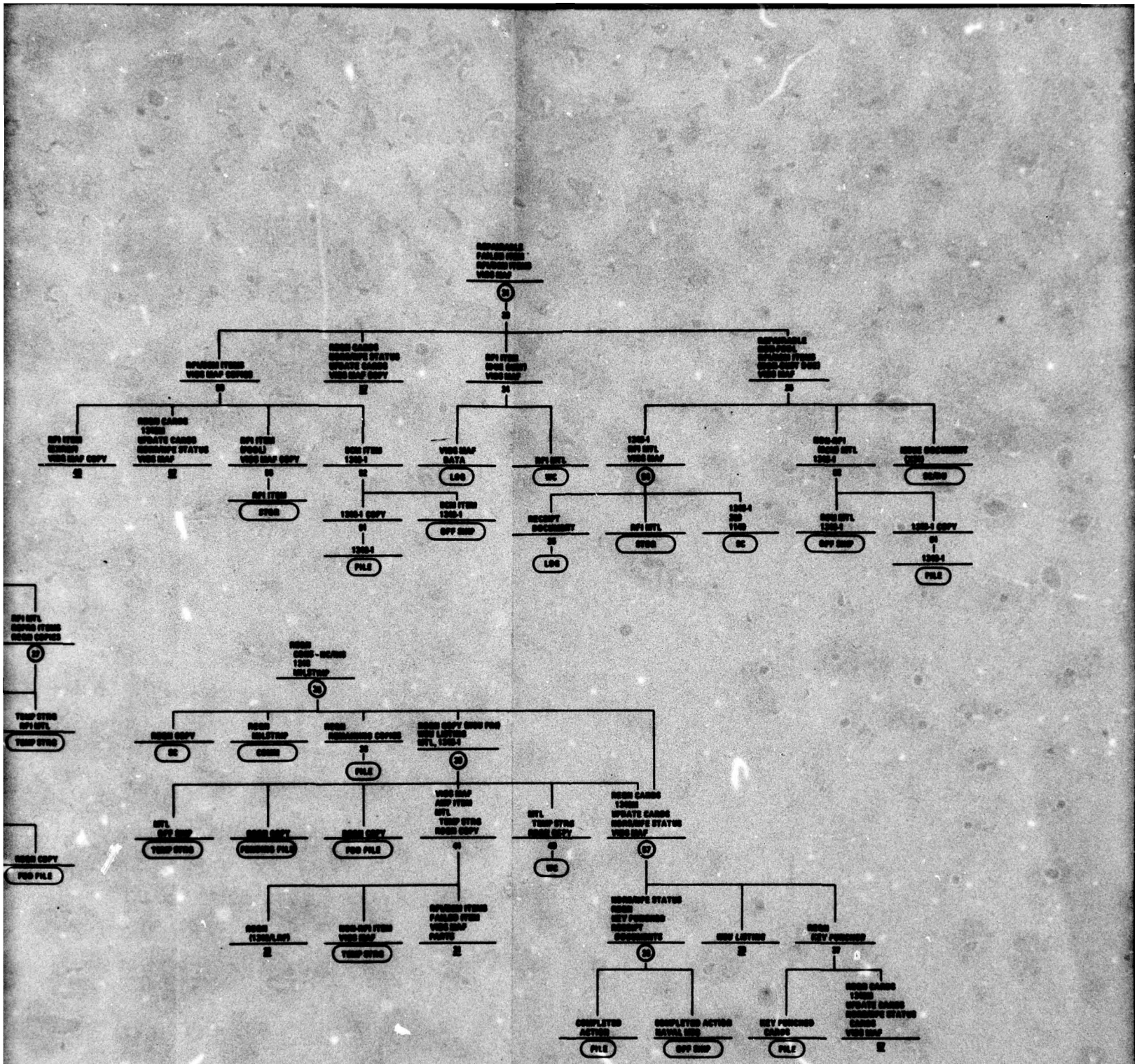


Figure 8 - AMERICA (SIM), Process Number Sequence Pattern

APPENDIX A

VISITS AND DISCUSSIONS

NAVSEC - Code 6131
- Code 6112
- Code 6162

NAVMAT - Code 0415
- Code 08T246

NSC - FOSAT

NAVAIRLANT HQ - Code 42
- Code 512

NAVAIRPAC HQ - Code 423
- Code 432
- Code 434

NAVSEA-PMS 397

USS NIMITZ - Supply Department

USS AMERICA - Supply Department
- COMCARAIRWING 8

USS AMERICA - Supply Department

APPENDIX B

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APPENDIX C

USS NIMITZ

DESCRIPTIONS OF CURRENT SUPPLY SUPPORT

and

RELATED MAINTENANCE ACTIVITIES

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A. MAINTENANCE

AIR WING ORGANIZATIONAL MAINTENANCE

USS NIMITZ

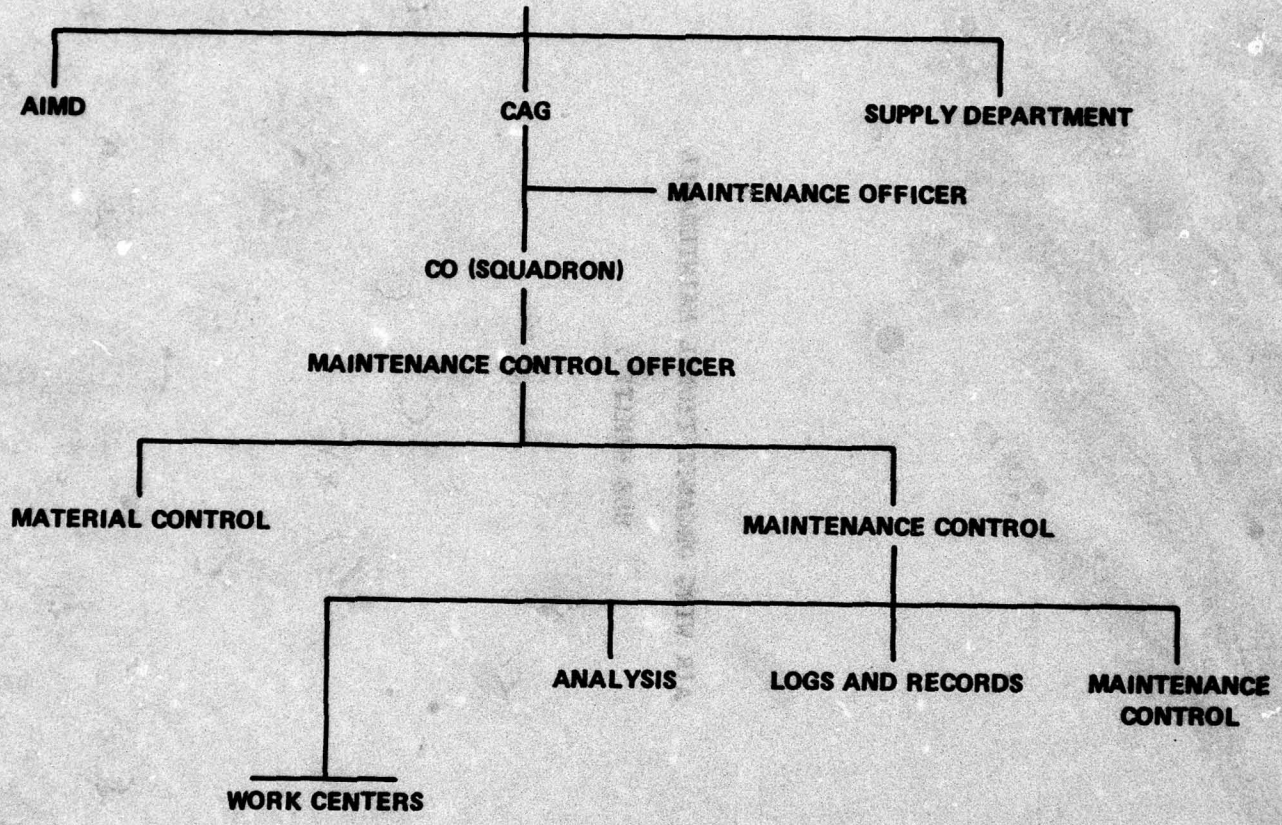


Figure C1 - Air Organization (Maintenance)

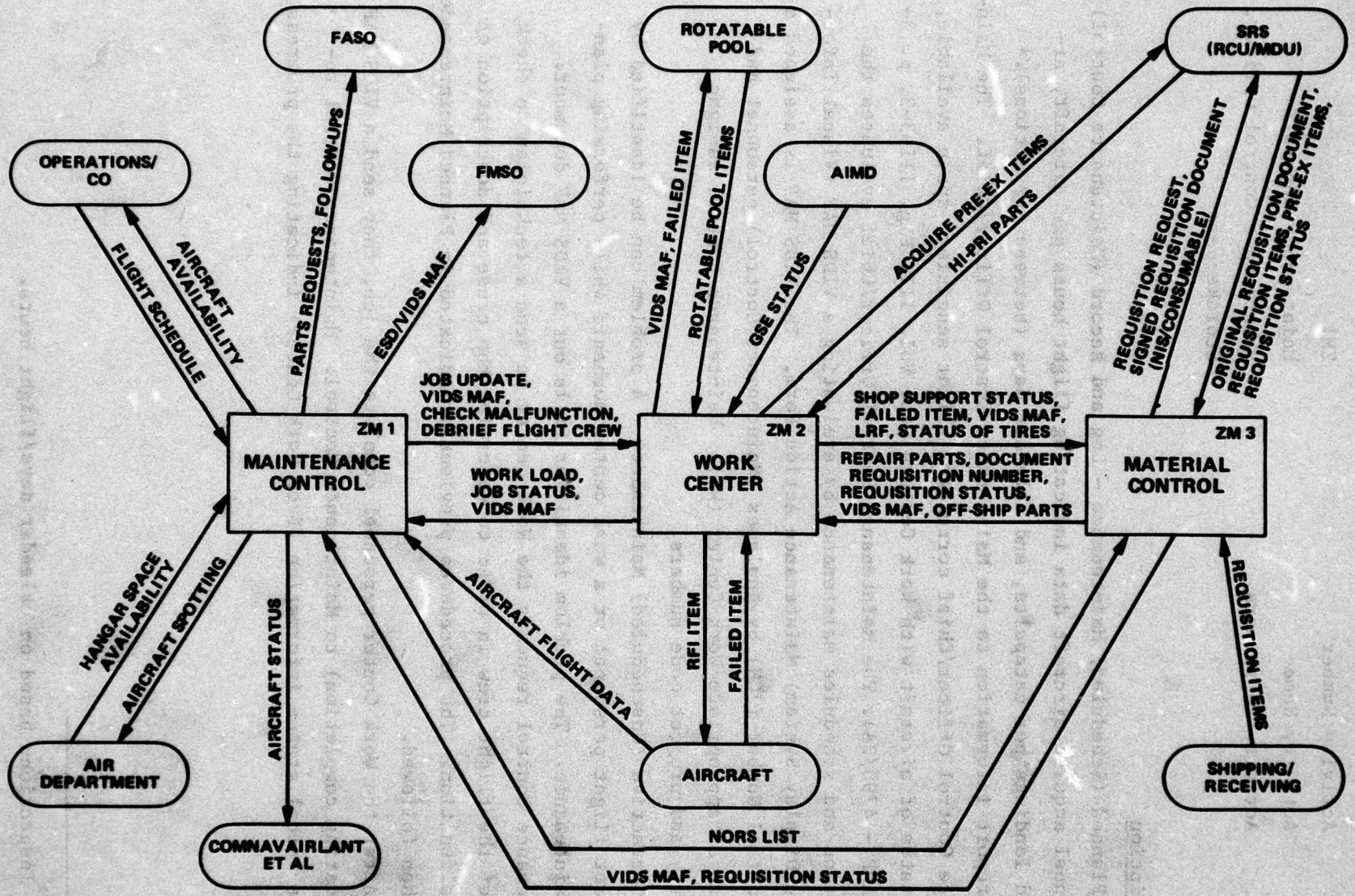


Figure C2 - Air Organization Level (Squadron) Information/Material Flow (Maintenance)

Activity Number	ZM1
Activity Name	Maintenance Control
Activity Performers	Maintenance Control Officer, Storekeepers

Description

Planned (Scheduled) Maintenance - Log and Record (Maintenance Control) personnel acquire aircraft data indicating flight hours per aircraft, arrested landings per catapults, and calendar days (between inspections).* They report information to the Maintenance Control Officer/Chief. The Maintenance Control Officer/Chief correlates flight schedules, space available, and status of aircraft with Work Centers (see Vol. III, Fig. III-3-3, p. 3-59, NAMP - 4790/2A). The Maintenance Control Officer/Chief evaluates the situation and schedules maintenance by evaluating a VIDS MAF (Visual Information Display System) Maintenance Action Form. The VIDS MAF is assigned a Job Control Number (JCN) by Analyses (Maintenance Control) personnel and sent to an appropriate Work Center (WC). Maintenance Control assigns priority and project code numbers.

Corrective (Unscheduled) Maintenance - A problem can be identified by aircraft flight personnel or a work center mechanic while performing planned maintenance. The problem identifier fills out a VIDS MAF document. Maintenance Control requests the Work Center to send a technician to check/debrief the flight crew in order to determine the cause and description of the malfunction. The procedures previously indicated in Planned Maintenance are then followed.

After the Work Center personnel complete the job, they send a VIDS MAF (indicating completion) to Maintenance Control. Maintenance Control receives verbal status information (from Work Center) indicating the progress

*Inspections based on calendar days/flight hours.

of the maintenance action. Maintenance Control also receives verbal information from Material Control indicating the status of the parts (requested, received, and outstanding). Maintenance Control uses this information to update his VIDS Board.* Maintenance Control sends appropriate information on Aircraft Availability to Squadron Operations.

Information and reports are sent to the following activities:

FMSO - Equipment Statistical Data (see NAMP, Vol. III, Ch. 6)
- VIDS MAF Information

COMNAVAIRLANT et al. - Status of Aircraft

ASO - Parts Requests, Information, and Follow-ups

Inputs

Aircraft Flight Data (OPNAV Form 4760.2B - Aircraft)

Hangar Space Availability (Aircraft Handling Officer - Air Department)

VIDS MAF with document requisition number - (Material Control)

Work Load, Job Status, VIDS MAF - (Work Center)

Requisition Status - (Material Control)

Flight Schedule - (Operations/CO)

Outputs

Verbal Job Update, VIDS MAF - (Work Center)

ESD (OPNAV Form 5442/19)/VIDS MAF - (FMSO)

NORS List - (Material Control)

Aircraft Status - (COMNAVAIRLANT et al.)

Parts Request/Follow-ups - (FASO)

Aircraft Availability - (Operations)

Aircraft Spotting (Aircraft Handling Officer - Air Department)

Check malfunction/debrief flight crew - (Work Center)

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*Work being performed per aircraft.

Activity Number	ZM2
Activity Name	Work Center
Activity Performers	Branch Officer/Supervisor, Technicians

Description

Work is initiated by a VIDS MAF (including JCN) from Maintenance Control or from within a Work Center (determined while performing other maintenance). The Work Center supervisor uses VIDS MAF/verbal information to update scheduling of jobs. He maintains a VIDS Board that describes the status of outstanding work. Meetings are held periodically between Maintenance Control and Work Center supervisors to plan and correlate tasks.

The Work Center technician checks/debriefs the aircraft flight crew to identify the malfunction. The Work Center supervisor/technician determines the requirements for task performance (documentation, tools, technician(s), repair parts), as appropriate.

If planned (scheduled) maintenance is to be performed, the technician will acquire his assignment, the necessary items for task performance, and the appropriate MRC's (Maintenance Requirement Cards). If corrective (unscheduled) maintenance is to be performed, the technician will obtain, if necessary, the Maintenance Information Manual (how to do it) and the Illustrated Parts Breakdown (parts required to repair the malfunctioning item). Tools and Ground Support Equipment (GSE) are generally available in the Work Centers. The supervisor knows the status of support equipment.

If repair parts are required, the supervisor/technician sends a request via a VIDS MAF or Local Requisition Form (LRF) to Material Control. Large size, high priority (Hi-Pri), and work stoppage items are acquired directly from MDU (S-6). The technician may also go directly to the Pre-Ex (Pre-Expended) bins or Maintenance Support Package (MSP) located in S6 facilities and acquire the necessary items without paperwork.* Most

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*3M type data must be given to S6 supply to obtain parts (WUC, TEC, JCN, etc.).

carriers assigned to the Atlantic Fleet do not have Pre-Expended bins. If items are not available, he prepares a MAF which is given to Material Control.

If shop support items (tools, rags, oil, goggles, etc.) are required, the technician fills out a request (local form) which is given to Material Control who fills out a DD1348 which is sent to the Work Center. The technician (from the Work Center) walks the 1348 to S6 (SRS), where it is logged in, priced, located, and identified (NIS/NC), and then the Work Center technician takes the 1348 to the appropriate storeroom and requests the issue (if available). He may have to go to S1 (SRS), if it has cognizance. If the requested item is a corrosive item, the 1348 must be reviewed/approved by the CAG (Carrier Air Group) Maintenance Officer.

If the failed item is consumable (Non-Rotatable Pool Items), the same procedures are followed as for planned maintenance. If the failed item is repairable, the technician pulls the failed item from the aircraft and notifies Material Control of the required item via a VIDS MAF. The technician prepares another VIDS MAF to accompany the failed repairable item to Material Control. When Material Control receives a Ready For Issue (RFI) replacement item, the Work Center technician is notified and he picks it up. The technician installs the item in the aircraft (according to assigned priority). If the item is not available, the Work Center Supervisor may request (or be directed by) Maintenance Control to cannibalize another aircraft. In this case, he fills out two VIDS MAFs, one indicating that he is removing the item from another aircraft and the second requesting replacement of the removed item on the cannibalized aircraft.

If the failed item is a Rotatable Pool item, such as tires or avionic equipment, work proceeds as in the following examples:

1. tires; the Work Center technician gets the document requisition number from Material Control (verbally), fills out a VIDS MAF, and takes it and the worn tires to the Rotatable Pool tire* location. He picks up new tires and installs them. He notifies Material Control when he receives them and includes his squadron identity, and the Julian date.

*Tire/wheel assemblies are stored as units within a Rotatable Pool storeroom. Tires stored individually are issued only to the AIMD tire shop which builds up tire/wheel assemblies for squadron and Rotatable Pool.

2. avionics; the technician fills out a VIDS MAF and goes to Material Control who logs it in his register after assigning it a document number. The work center technician walks to the avionics location of the Rotatable Pool and acquires the item, if available. The technician turns in the failed item. If the item is NIS/NC (not in stock/not carried), he follows the cannibalizing procedures (previously described).

The Work Center personnel determine whether an item is assigned to the Rotatable Pool by looking at the Rotatable Pool Item list. The Rotatable Pool Item list is developed by the individual ship's personnel and submitted to the Type Commander for approval.

After maintenance is performed, Maintenance Control is notified and the appropriate inspection(s) is made (Quality Assurance, etc.) and noted in the Discrepancy Log Book.

Inputs

VIDS MAF - (Maintenance Control)
Check malfunction and debrief flight crew - (Maintenance Control)
Hi-Pri Parts - (Material Delivery Unit)
Failed Item - (Aircraft)
GSE Status - (AIMD)
Verbal Job Updates - (Maintenance Control)
Requisition Status - (Material Control)
VIDS MAF - (Material Control)
Document Requisition Number - (Material Control)
Repair Parts - (Material Control)
Rotatable Pool Items - (Rotatable Pool)
Off-ship parts - (Material Control)

Outputs

Status of tires - (Material Control)
Shop Support Status - (Material Control)
RFI Item - (Aircraft)
VIDS MAF/LRF - (Material Control)
VIDS MAF after job completion - (Maintenance Control)

Outputs

Failed Item - (Material Control--Non-Pool)

VIDS MAF/Failed Item - (Rotatable Pool--exchange)

Job Status - (Maintenance Control)

Acquire Pre-Ex Item - (S6)

Activity Number	ZM3
Activity Name	Material Control (Squadron)
Activity Performers	Storekeepers

Description

Material Control receives parts request (VIDS MAF) from the Work Center and records data in the Material Control Register. He assigns a document number and correlates the part number with the stock number. He checks the fund code/cost for squadron administrative items such as flight fuel, clothing, and office supplies. He forwards the request via telephone/1149 (teletype) to S6 Supply Response Section (SRS) or he fills out a 1348 which is manually delivered. He also keeps records (VIDS Board) of the outstanding requisitions per aircraft. A copy of the VIDS MAF is forwarded to Maintenance Control to indicate if the aircraft is assignable. It does not include Ship Support and some Work Stoppage (corrosive) items. The Material Control storekeeper fills out a VIDS MAF for the technician who carries it with the failed Pool item to the Rotatable Pool. Issued item/status of the requisition is sent to Material Control from SRS.

If the item is in stock, MDU delivers it to Material Control (if not off-size Hi-Pri). Material Control notifies the Work Center/Maintenance Control of status of requisition (verbally). Work Center personnel pick up parts from Material Control.* If the request is for a NIS/NC-Hi-Pri item, it goes on NORS (Not Operationally Ready) list which must be verified/correlated daily with Material Control Register on Material Control/Maintenance Control/Work Center boards.

During resupply, Material Control acquires from Shipping/Receiving requisitioned parts that were obtained from off-ship. Material Control transfers the parts to the Work Center.

Material Control coordinates with MDU for the delivery of large items to a desired location (for particular Work Center).

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*Status of Requisition kept on Material Control VIDS Board.

Inputs

Requisition Status - (Requisition Control)

VIDS MAF, LRF - (Work Center)

Requisition Items - (SRS)

Requisition Items - (Shipping/Receiving)

NORS List - (Maintenance Control)

Original Requisition Document - (NIS/NC - Requisition Control)

Outputs

VIDS MAF (with document number - Maintenance Control)

VIDS MAF (part request - Maintenance Control)

Requisition Request - (Requisition Control Unit)

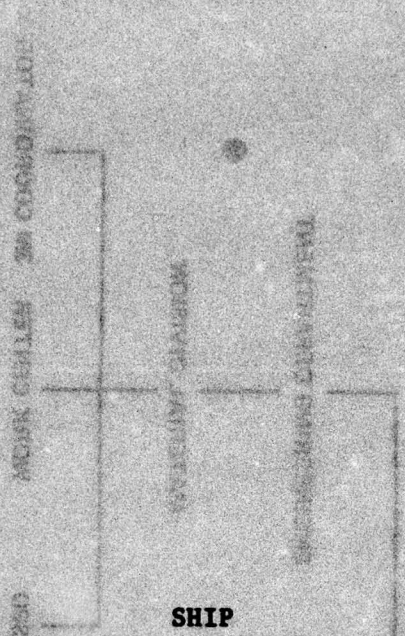
VIDS MAF - (Work Center)

Repair Parts - (Work Center)

Requisition Status - (verbal-Work Center/Maintenance Control)

Off-ship Parts - (Work Center)

Signed Requisition Document (NIS/Consumable - Requisition Control)



SHIP

ORGANIZATIONAL LEVEL MAINTENANCE

PLANNED (SCHEDULED)

AND

CORRECTIVE (UNSCHEDULED)



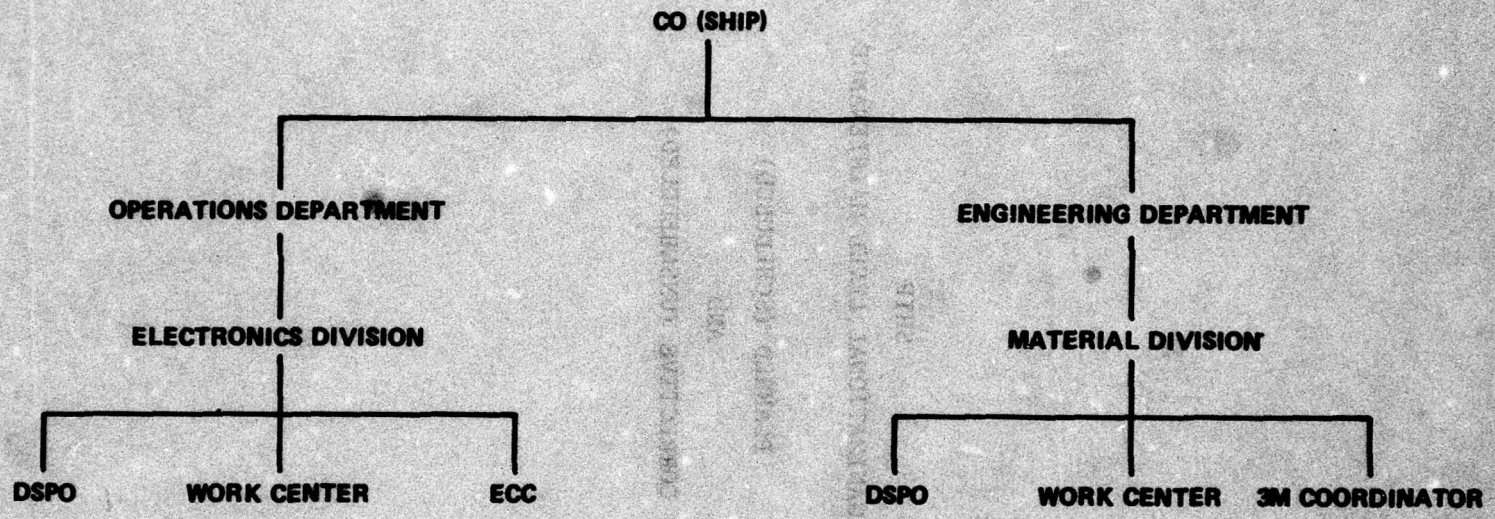
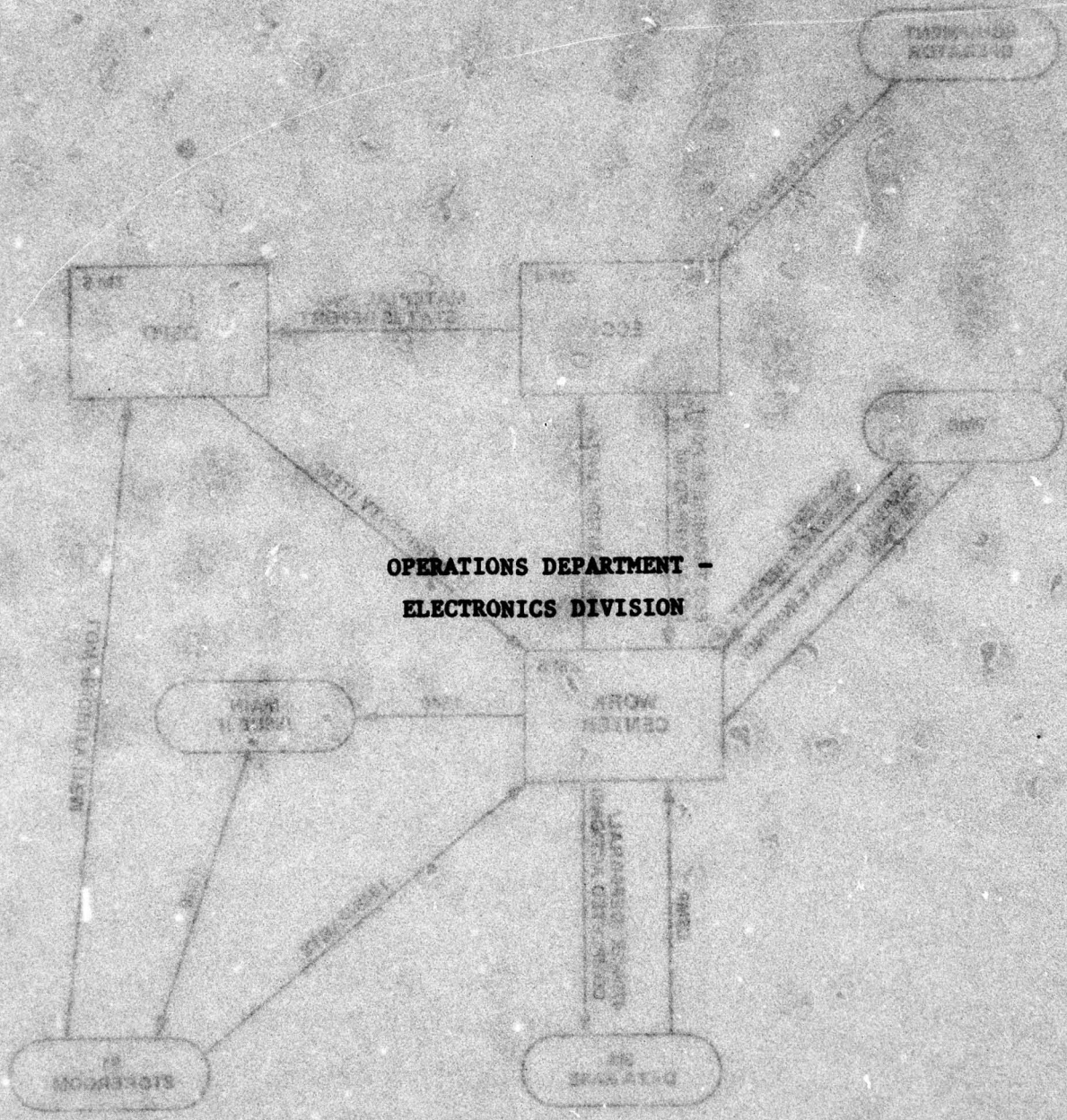


Figure C3 - Ship Organizational Maintenance



OPERATIONS DEPARTMENT -
ELECTRONICS DIVISION

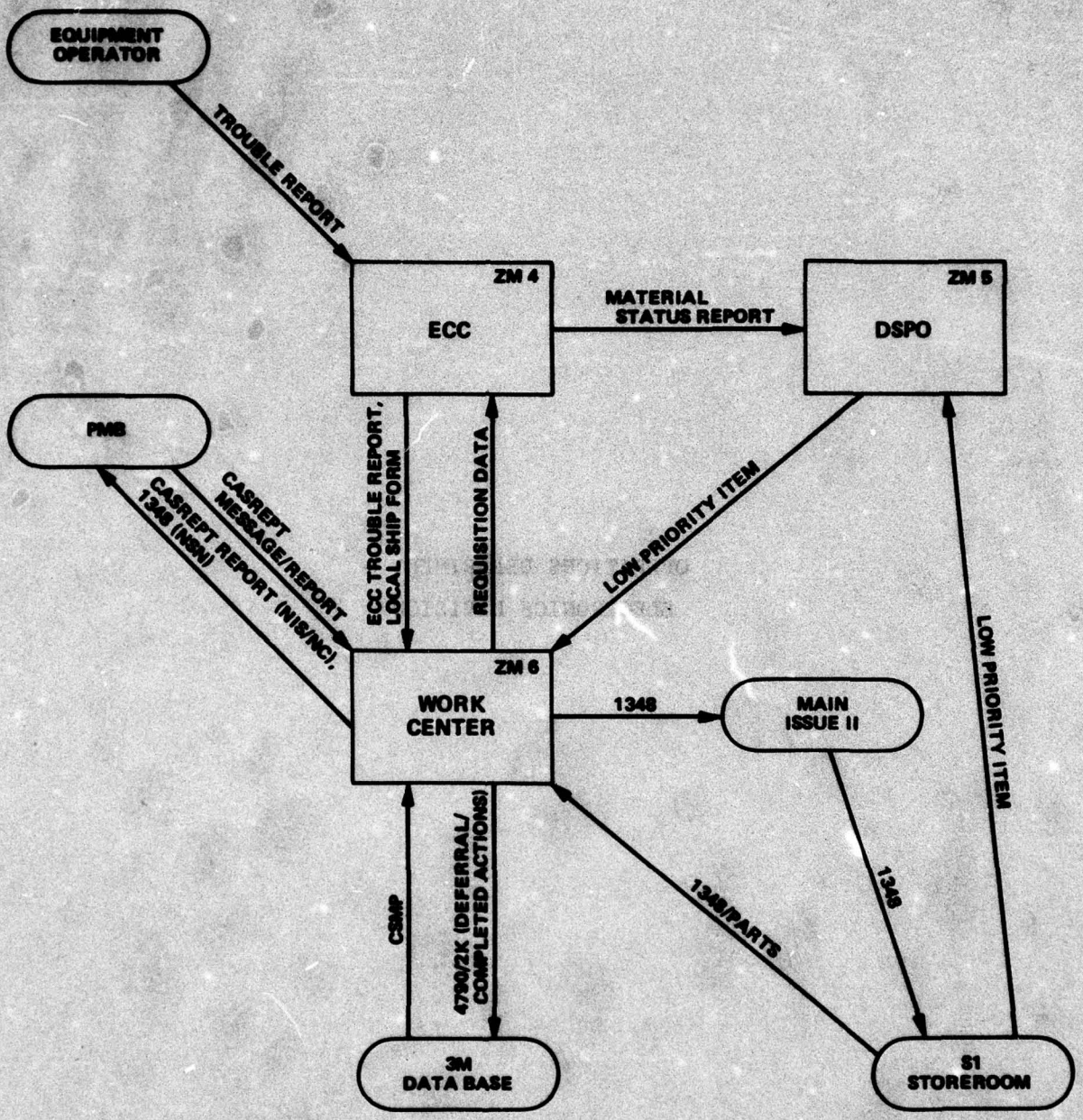


Figure C4 - Ship Organizational Level Information/Material Flow - Corrective Maintenance (Electronics)

Activity Number	ZM4
Activity Name	Electronics Casualty Control (ECC)
Activity Performer	Administrative Personnel

Description

Electronics Casualty Control is that part of the Electronics Corrective Maintenance System to which failed items and other failures are reported. The reporting is normally done by telephone or messenger.

The ECC personnel enter the information from the trouble call into the Trouble Log, record trouble on a status board, assign work on a Local Ship Form (LSF) to the cognizant Work Center supervisor or some other designated person, and determine when to call the cognizant officer.

Within ECC a Supply Log is maintained. This log is a record of supply actions taken by the Work Center technicians. The technician, after filling out a requisition, enters his requisition data into the Supply Log prior to taking it to supply. A second entry is made into the Supply Log by the technician after he is issued his supply parts. He makes this entry, which includes part status and repair. All ECC records are reviewed by the Division Supply Petty Officer.

Inputs

Trouble Report - (Equipment Operator)

Requisition Data - (Work Center)

Outputs

ECC Trouble Report - (Work Center)

Material Status Report - (Division Supply Petty Officer)

Activity Number	ZM5
Activity Name	Division Supply Petty Officer
Activity Performer	Administrative Type

Description

The Division Supply Petty Officer's (DSPO) principal function is to oversee record keeping within the ECC. However, he is instrumental in transferring requisitioned material - low priority, e.g., priority 13 - between Supply and the Work Center.

If low priority material is requisitioned by the Work Center technician and it is not secured or available at the time of request, the supply issuing personnel inform ECC when the item is ready for pickup. From the ECC records, the DSPO can see the material status and secure the item.

Inputs

Material Status Reports - (ECC)

Low Priority Items - (Supply Storeroom)

Outputs

Low Priority Items - (Work Center)

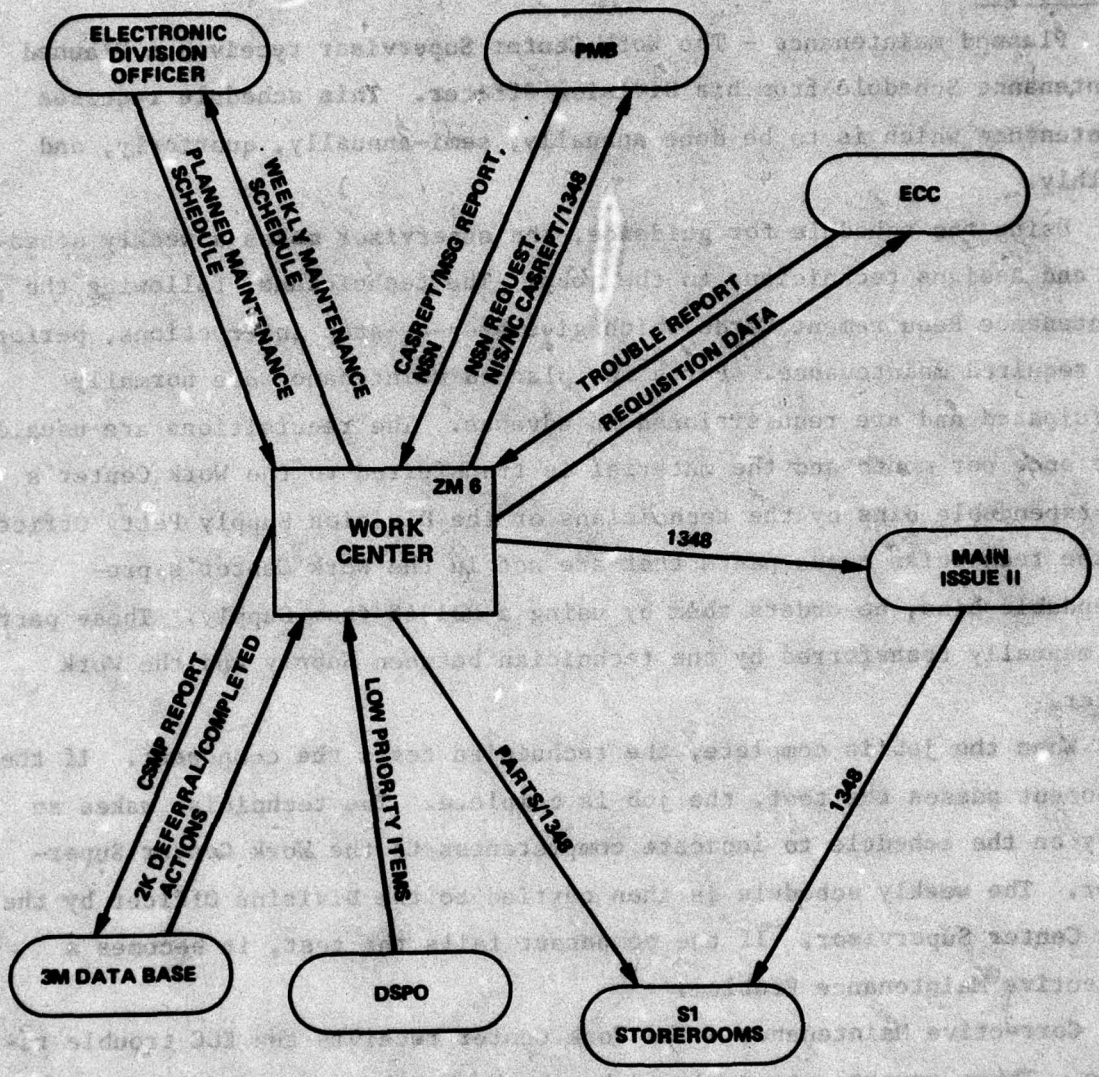


Figure C5 - Ship Organizational Level Information/Material Flow - Planned Maintenance (Electronics)

Activity Number	Z16
Activity Name	Work Center (Electronics)
Activity Performers	Supervisor, Data Systems Technicians

Description

Planned maintenance - The Work Center Supervisor receives a Planned Maintenance Schedule from his Division Officer. This schedule requires maintenance which is to be done annually, semi-annually, quarterly, and monthly.

Using the schedule for guidance, the supervisor makes a weekly schedule and assigns technicians to the jobs. The technicians, following the Maintenance Requirement Cards which give step-by-step instructions, perform the required maintenance. Parts for planned maintenance are normally anticipated and are requisitioned in advance. The requisitions are usually made once per month and the material is transferred to the Work Center's pre-expendable bins by the technicians or the Division Supply Petty Officer. If the technician needs parts that are not in the Work Center's pre-expendable bins, he orders them by using a DD1348 from Supply. These parts are manually transferred by the technician between Supply and the Work Center.

When the job is complete, the technician tests the component. If the component passes the test, the job is complete. The technician makes an entry on the schedule to indicate completeness to the Work Center Supervisor. The weekly schedule is then carried to the Division Officer by the Work Center Supervisor. If the component fails the test, it becomes a Corrective Maintenance Problem.

Corrective Maintenance - The Work Center receives the ECC trouble reports. These reports are reviewed by the Work Center Supervisor who assigns technicians to the jobs. The technician goes to the failed item or system and performs a trouble-shooting service to determine the problems.

If parts are required to make the repair, the technician requisitions them via a DD1348 from Supply. The technician makes the appropriate entries into the ECC Supply Log. All transfer of parts and paper between the Work Center and Supply is manually done by the technician except for some low priority items which are handled by the DSPO. When the repair is made, the technician fills out an OPNAV 4790/2K form normally called a 2K--completed action--which is sent to the ship's 3M Data Base. If for some reason the technician does not make the repair, a 2K form--deferred action--is also sent to the ship's 3M Data Base. From these deferral action forms a Current Ships Maintenance Project (CSMP) report is made at the data base and distributed to various departments aboard the ship.

Inputs

Planned Maintenance Schedule - (Electronic Division Officer)

ECC Trouble Report - (ECC)

Parts/1348 - (Storeroom)

CSMP Report - (3M Data Base)

NSN - (PMB)

CASREPT MSG/RPT, 1348 - (PMB)

Low Priority Items - (DSPO)

Outputs

1348 - (Main Issue II)

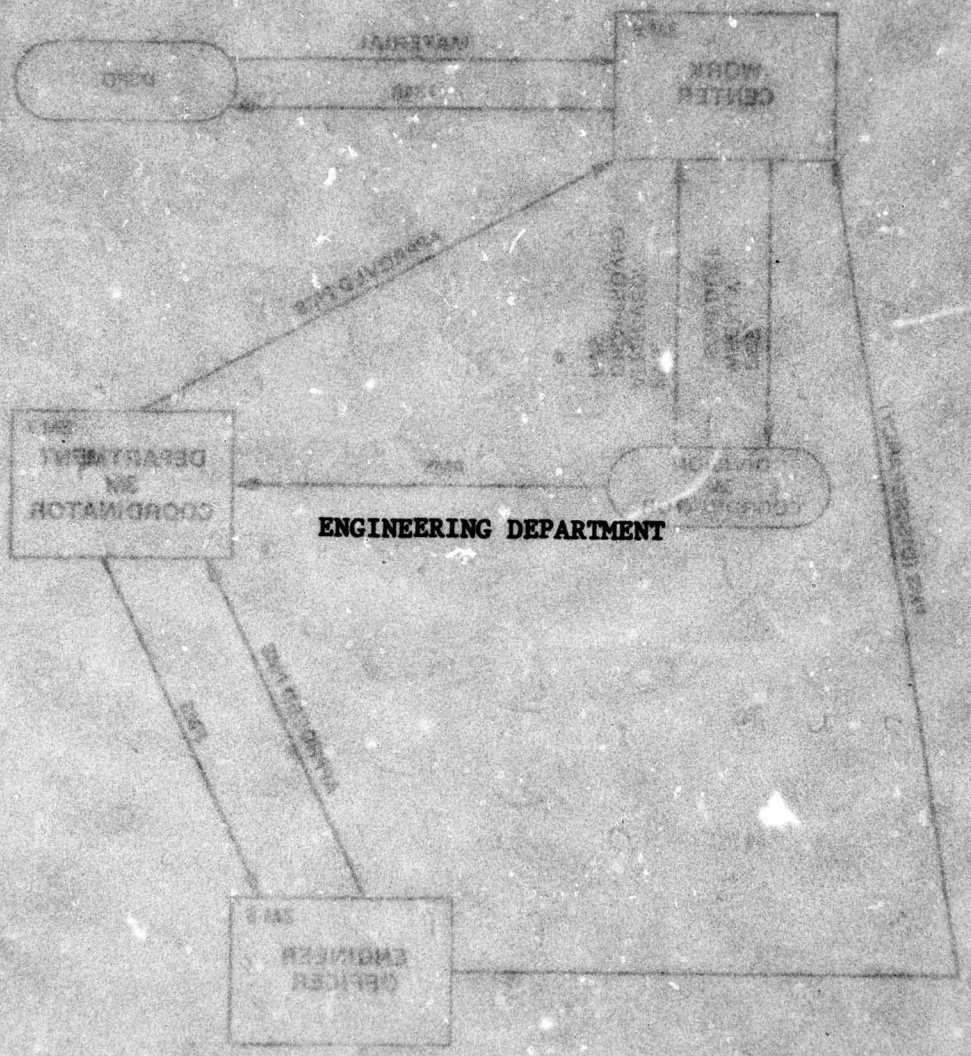
2K Deferral/Completed Actions - (3M Data Base)

Requisition Data - (ECC Supply Log)

NSN Request - (PMB)

NIS/NC CASREPT, 1348 - (PMB)

Weekly Schedule - (Electronic Division Officer)



ENGINEERING DEPARTMENT

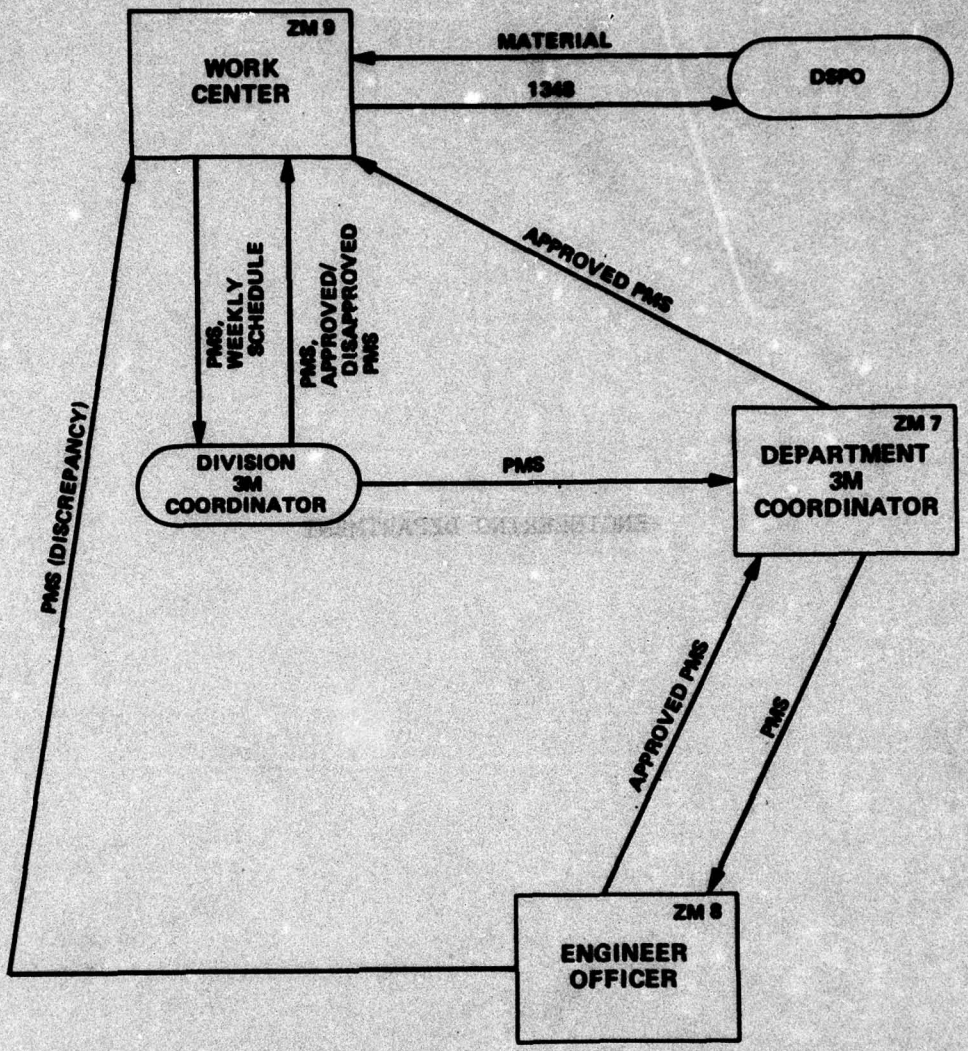


Figure C6 - Ship Organizational Level Information/Material Planned Maintenance (Engineering)

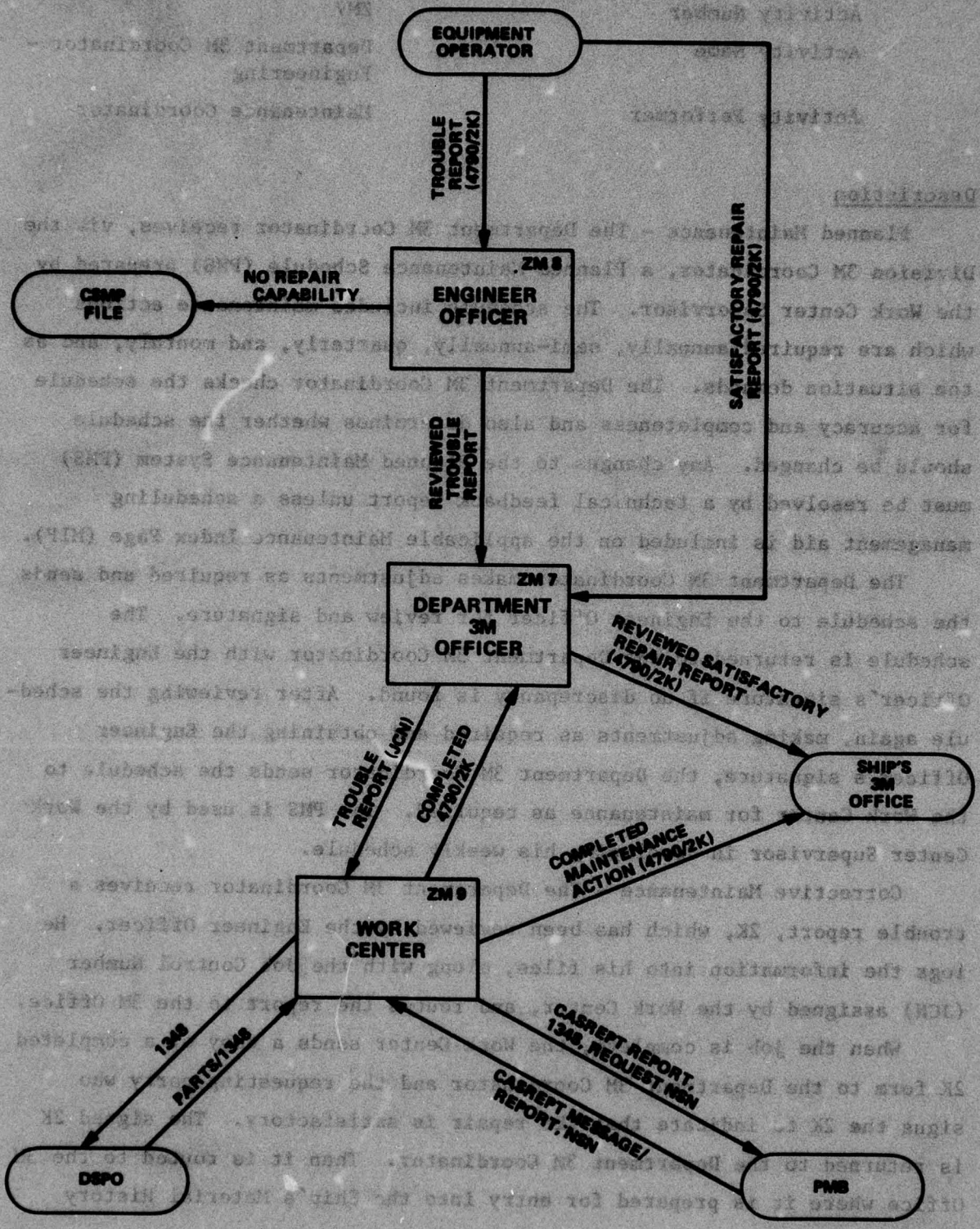


Figure C7 - Ship Organizational Level Information/Material Flow - Corrective Maintenance (Engineering)

Activity Number	ZM7
Activity Name	Department 3M Coordinator - Engineering
Activity Performer	Maintenance Coordinator

Description

Planned Maintenance - The Department 3M Coordinator receives, via the Division 3M Coordinator, a Planned Maintenance Schedule (PMS) prepared by the Work Center Supervisor. The schedule includes maintenance actions which are required annually, semi-annually, quarterly, and monthly, and as the situation demands. The Department 3M Coordinator checks the schedule for accuracy and completeness and also determines whether the schedule should be changed. Any changes to the Planned Maintenance System (PMS) must be resolved by a technical feedback report unless a scheduling management aid is included on the applicable Maintenance Index Page (MIP).

The Department 3M Coordinator makes adjustments as required and sends the schedule to the Engineer Officer for review and signature. The schedule is returned to the Department 3M Coordinator with the Engineer Officer's signature if no discrepancy is found. After reviewing the schedule again, making adjustments as required and obtaining the Engineer Officer's signature, the Department 3M Coordinator sends the schedule to the Work Center for maintenance as required. The PMS is used by the Work Center Supervisor in developing his weekly schedule.

Corrective Maintenance - The Department 3M Coordinator receives a trouble report, 2K, which has been reviewed by the Engineer Officer. He logs the information into his files, along with the Job Control Number (JCN) assigned by the Work Center, and routes the report to the 3M Office.

When the job is complete, the Work Center sends a copy of a completed 2K form to the Department 3M Coordinator and the requesting party who signs the 2K to indicate that the repair is satisfactory. The signed 2K is returned to the Department 3M Coordinator. Then it is routed to the 3M Office where it is prepared for entry into the Ship's Material History Report.

Inputs

Planned Maintenance Schedule - (Division Coordinator)

Approved PMS - (Engineer Officer)

Reviewed Trouble Report - (Engineer Officer)

Completed 4790/2K - (Work Center)

Satisfactory Repair Report (4790/2K - Equipment Operator)

Outputs

Trouble Report with JCN - (Work Center)

Reviewed Satisfactory Repair Report (4790/2K - Ship 3M Office)

Trouble Report - (Ship 3M Office)

Planned Maintenance Schedule - (Engineer Officer)

Reviewed Planned Maintenance Schedule - (Work Center)

Activity Number	2M8
Activity Name	Engineer Officer
Activity Performer	Administrator

Description

Planned Maintenance - The Engineer Officer receives the Planned Maintenance Schedule from the Department 3M Coordinator for review and signature. The Engineer Officer checks the schedule against the Planned Maintenance Subsystem (PMS) instructions. If discrepancies exist, he returns the schedule to the Work Center Supervisor with his findings attached. If he finds the schedule satisfactory, he signs and returns it to the Department 3M Coordinator.

Corrective Maintenance - Reports of failed items or systems are reported to the Engineer Officer on an OPNAV 4790/2K form. This form is commonly called a 2K. The Engineer Officer reviews the report and determines whether his Work Center has the capability to satisfy the requirement. If the Work Center does not have the required capabilities, the 2K information is entered on the Current Ship's Maintenance Project (CSMP) file or sent as a Work Request to the applicable division. Otherwise, it is sent to the Department 3M Coordinator for further processing.

Inputs

Planned Maintenance Schedule - (Department 3M Coordinator)
Trouble Report (4790/2K) - (Equipment Operator)

Outputs

Reviewed Trouble Report - (Department 3M Coordinator)
No repair capability - (CSMP file/Applicable Repair Division)
Planned Maintenance Schedule (discrepancy - Work Center)
Approved Planned Maintenance Schedule - (Department 3M Coordinator)

Activity Number	ZM9
Activity Name	Work Center (Engineering)
Activity Performers	Supervisor, Repair Technician

Description

Planned Maintenance - The Work Center Supervisor (WCS) prepares the planned maintenance schedule for the Department 3M Coordinator. The schedule includes maintenance actions which are required annually, semi-annually, quarterly, monthly, and weekly. The WCS utilizes Maintenance Index Pages (MIPS) as one of his input sources for scheduling.

He routes the monthly schedule to both the Division and Department 3M Coordinators for review and approval. When the monthly schedule is approved, it is returned to the Work Center with copies remaining with the Department and Division 3M Coordinators. If discrepancies exist while the schedule is in the review state, they are corrected by the reviewers or a feedback report is submitted to the proper authorities via the WCS.

From the approved quarterly schedule, the WCS makes weekly schedules (WS) and collaborates with the Division 3M Coordinator on them. The WCS assigns technicians (workers) to the jobs. The workers go to the equipment and review the Maintenance Requirement Cards (MRCs) for the types of tools and materials required to do the jobs. If parts are required, they fill out a DD1348 and take it to the Division Supply Petty Officer who secures parts for the Work Center. When parts are secured, if required, the technicians follow the MRCs, step-by-step, until the job is complete. When the job is complete, the WCS or technician makes an entry on the schedule to indicate that the requirement has been satisfied. The schedule is brought up to date weekly by the Division 3M Coordinator.

Corrective Maintenance - The Work Center Supervisor (WCS) receives a trouble report (2K) from the Department 3M Coordinator. He reviews the report and assigns a technician (worker) to the job. The worker goes to the failed item and determines whether parts are required to make the

repair. If parts are required, the worker completes a 1348 and takes it to the Division Supply Petty Officer (DSPO) who takes the requisition to the ship's Supply for the desired parts.

When parts are secured or if parts are not required, the worker makes the repair and makes entries on the 2K form. These entries include the man hours and the action required to do the job. The completed 2K form is then sent to the 3-M Officer via the Department 3M Coordinator.

Inputs

Planned Maintenance Schedule (with discrepancy - Engineer Officer)
Planned Maintenance Schedules - (Division 3M Coordinator)
Approved/Disapproved Weekly Schedule - (Division 3M Coordinator)
Material - (DSPO)
Trouble Report (JCN) - (Department 3M Coordinator)
CASREPT MSG/RPT - (PMB)
Parts/1348 - (DSPO)
NSN - (PMB)
Approved PMS - (Department 3M Coordinator)

Outputs

1348 - (DSPO)
4790/2K - (3M Coordinator)
Request NSN - (PMB)
CASREPT/1348 - (PMB)
Planned Maintenance Schedule - (Department 3M Coordinator)
Weekly Schedule - (Division 3M Coordinator)

AIR INTERMEDIATE LEVEL

MAINTENANCE

AVIATION

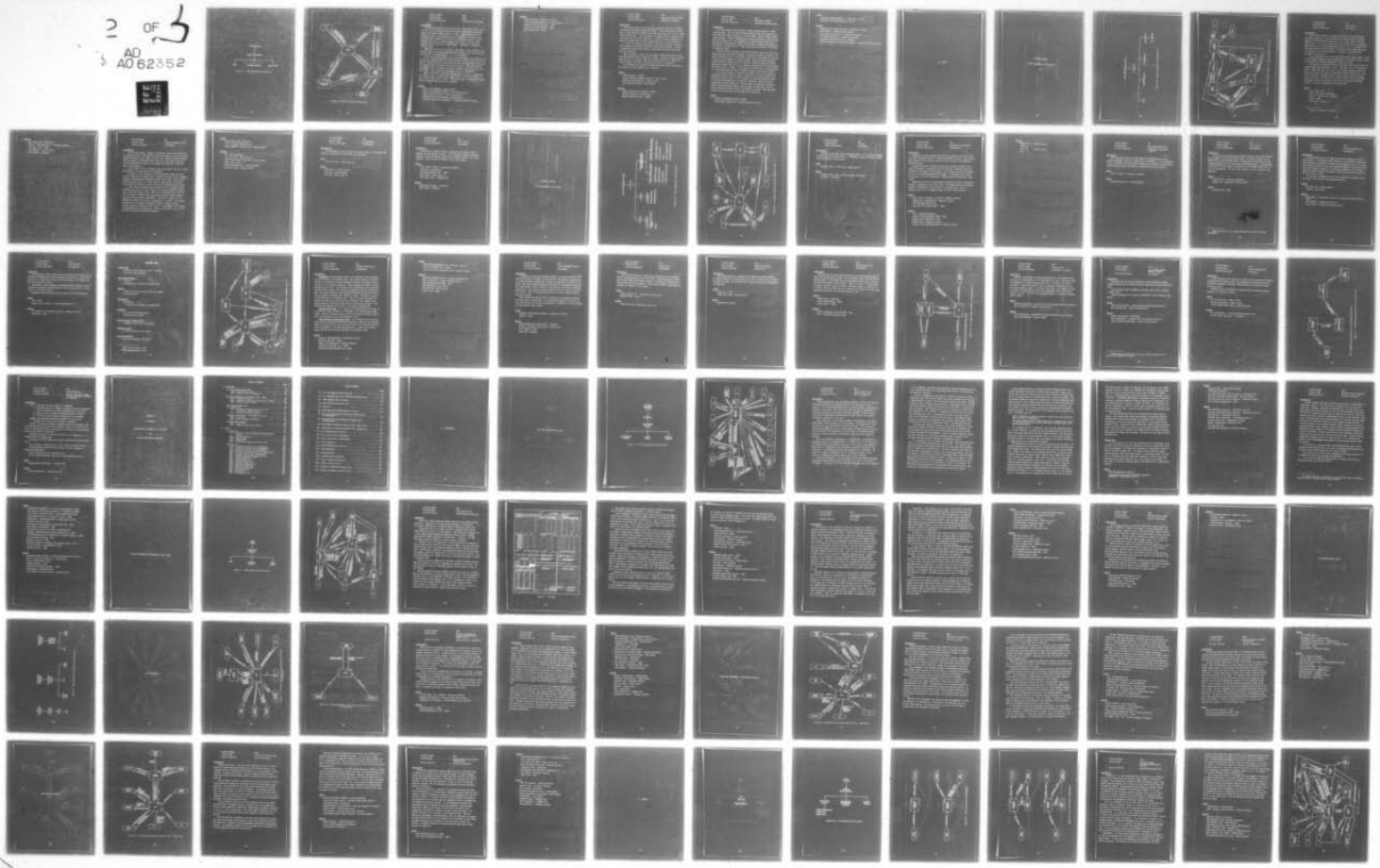
INTERMEDIATE MAINTENANCE

DEPARTMENT

AD-A062 352 DAVID W TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT CE--ETC F/G 13/10
AFLOAT INFORMATION AND MATERIAL MOVEMENT STUDY (AIMMS). PHASE I--ETC(U)
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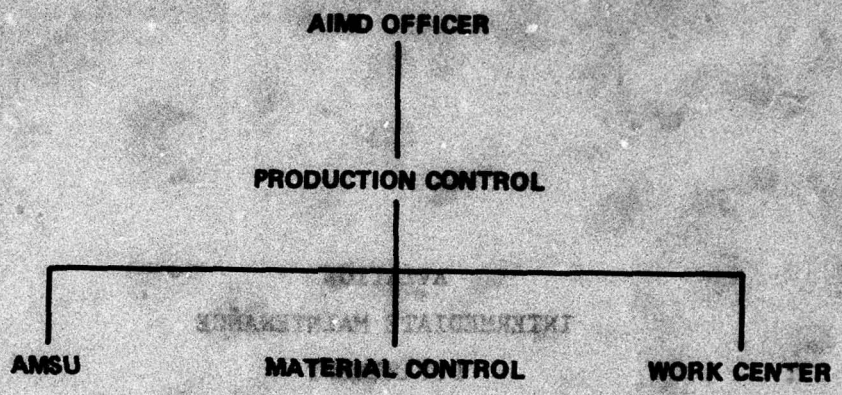


Figure C8 - AIMD Organizational Structure

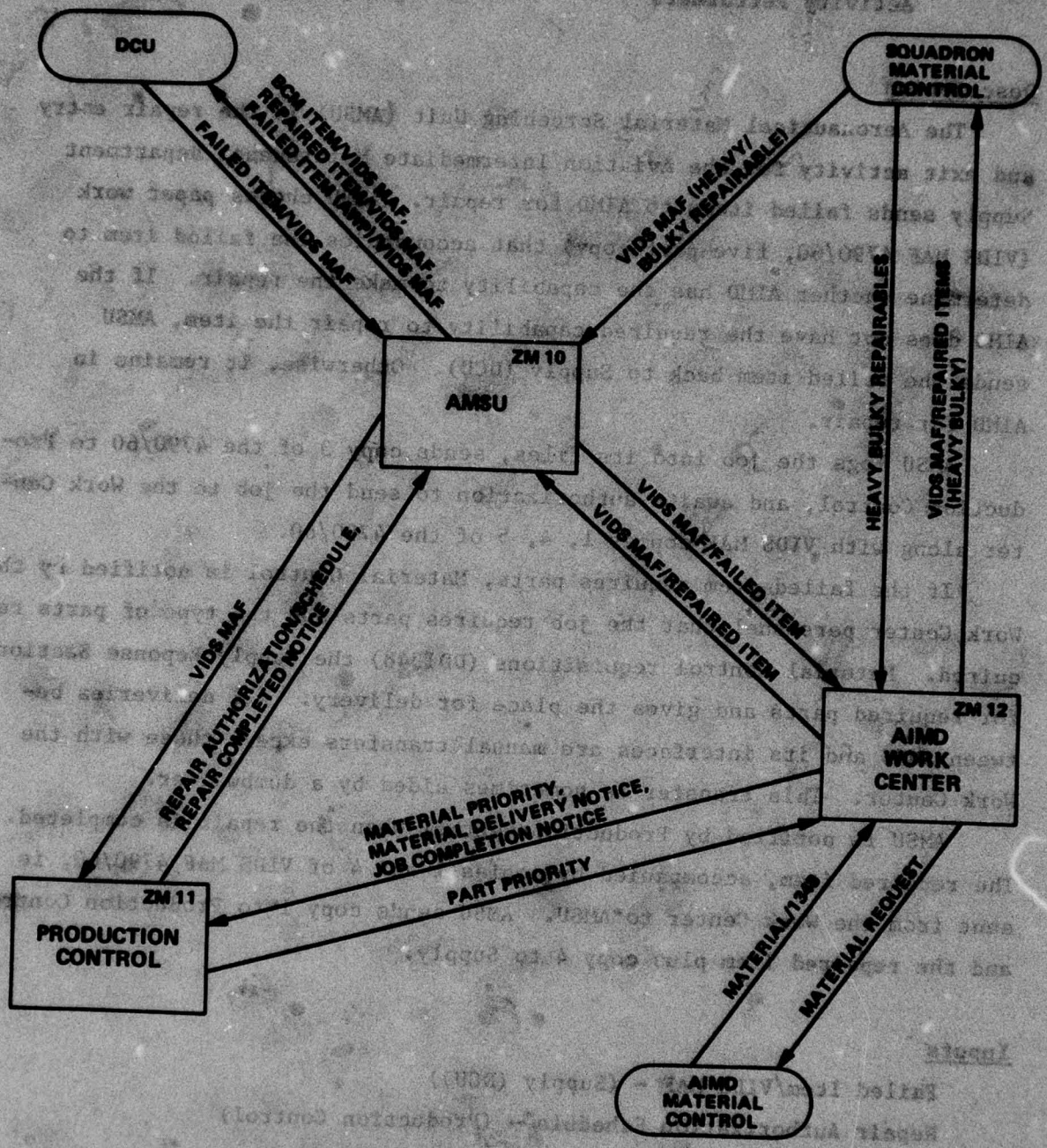


Figure C9 - AIMD Information/Material Flow

Activity Number	ZM10
Activity Name	AMSU
Activity Performers	Administrative Personnel

Description

The Aeronautical Material Screening Unit (AMSU) is the repair entry and exit activity for the Aviation Intermediate Maintenance Department Supply sends failed items to AIMD for repair. AMSU checks paper work (VIDS MAF 4790/60, five-part copy) that accompanies the failed item to determine whether AIMD has the capability to make the repair. If the AIMD does not have the required capability to repair the item, AMSU sends the failed item back to Supply (DCU). Otherwise, it remains in AIMD for repair.

AMSU logs the job into its files, sends copy 3 of the 4790/60 to Production Control, and awaits authorization to send the job to the Work Center along with VIDS MAF copies 1, 4, 5 of the 4790/60.

If the failed item requires parts, Material Control is notified by the Work Center personnel that the job requires parts and the type of parts required. Material Control requisitions (DD1348) the Supply Reponse Section for required parts and gives the place for delivery. All deliveries between AMSU and its interfaces are manual transfers except those with the Work Center. This transfer is sometimes aided by a dumbwaiter.

AMSU is notified by Production Control when the repair is completed. The repaired item, accompanied by copies 1 and 4 of VIDS MAF 4790/60, is sent from the Work Center to AMSU. AMSU sends copy 1 to Production Control and the repaired item plus copy 4 to Supply.

Inputs

Failed Item/VIDS MAF - (Supply (DCU))

Repair Authorization Schedule - (Production Control)

Repair Completed Notice - (Production Control)

Repaired Item/VIDS MAF Copies - (Work Center)

VIDS MAF (Heavy/Bulky Repairable) - (Squadron Material Control)

Outputs

VIDS MAF Copies - (Production Control)

Failed Item/VIDS MAF Copies - (Work Center)

Repaired Item/VIDS MAF Copy - (DCU)

Failed Item (AWP)/VIDS MAF - (DCU)

BCM Item/VIDS MAF - (DCU)

Activity Number	**ZM11**
Activity Name	**Production Control (AIMD)**
Activity Performers	**Managerial Personnel**

Description

Production Control is the principal managerial body of the Aviation Intermediate Maintenance Department (AIMD). Production Control receives copy 3 of the VIDS MAF (4790/60) from AMSU indicating that it has a failed item for AIMD repair. The information is logged into the Production Control files and on to their VIDS board. Production Control schedules the repair and states when to send the repairable item to the Work Center.

If parts are required from Supply to satisfy the repair, the Work Center requests an ordering priority from Production Control. Priority is assigned and Production Control is notified by the Work Center when parts are delivered.

When the repair is made, the Work Center informs Production Control that the repaired item is being sent to AMSU. Production Control receives VIDS MAF copy 1 from AMSU. From the information on copy 1, Production Control updates its files to indicate that the job is complete.

All transfers of information between Production Control and AMSU or Work Center are made manually or by telephone.

Inputs

VIDS MAF Copies - (AMSU)

Request Material Ordering Priority - (Work Center)

Material Delivery Notice - (Work Center)

Job Completion Notice - (Work Center)

Outputs

Repair Authorization Schedule - (AMSU)

Material Priority - (Work Center)

Repair Completed Notice - (AMSU)

Activity Number	ZM12
Activity Name	Work Center (AIMD)
Activity Performers	Supervisor and Technicians

Description

The Work Center is the activity of AIMD in which repairs to failed items are made. The Work Center receives failed items with required paper work (VIDS MAF 4790/60, copies 1, 4, 5) from AMSU. Heavy or bulky repairables (engines, inflight refueling stores, weapon launchers, ejection seats, aircraft cameras, etc.) are transferred only between the squadron and the Work Center. Paper work to support these items is handled in the same way as stated in the AMSU section. Heavy repairables are normally transferred on hydraulic stands.

The Work Center Supervisor reviews the VIDS MAF, enters the job information into his records, and assigns a technician (worker) to the job. The worker evaluates the job to determine whether parts from Supply are needed. If parts are not needed, the repair is made. The Work Center Supervisor enters repaired information on the VIDS MAF, updates his files, notifies Production Control that the job is completed, and returns the item and VIDS MAF copies 1 and 4 to AMSU. If the item is the heavy type, it goes directly to the squadron activity with the VIDS MAF copies 1 and 4 going to AMSU.

If parts from Supply are required to complete the job, the worker or supervisor looks up the part number, requests a part order priority from Production Control, adds it to the request, and notifies Material Control of the part needed and where it should be delivered. Material Control requisitions (DD1348) Supply for the part which is delivered to the Work Center along with DD1348 copies. When the part is delivered, the Work Center notifies Production Control who updates its files. When the repair is made, the same process as stated above is carried out.

Inputs

Failed Item/VIDS MAF Copies - (AMSU)

Heavy/Bulky Repairables - (Squadron Material Control)

Inputs

Material Ordering Priority - (Production Control)

Material/1348 - (AIMD Material Control)

Outputs

Request Part Ordering Priority - (Production Control)

Part Request - (AIMD Material Control)

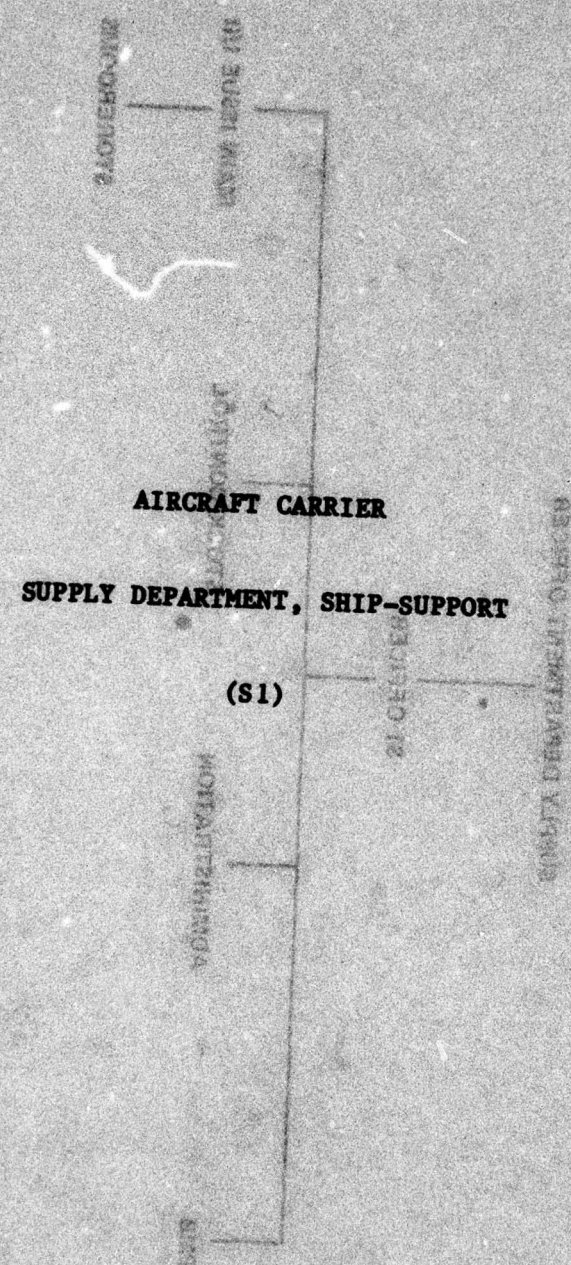
Material Delivery Notice - (Production Control)

Job Completion Notice - (Production Control)

Repaired Item/VIDS MAF Copies - (AMSU)

Repaired Heavy/Bulky Items/VIDS MAF Copy - (Squadron Material Control)

B. SUPPLY


AIRCRAFT CARRIER
SUPPLY DEPARTMENT, SHIP-SUPPORT
(S1)

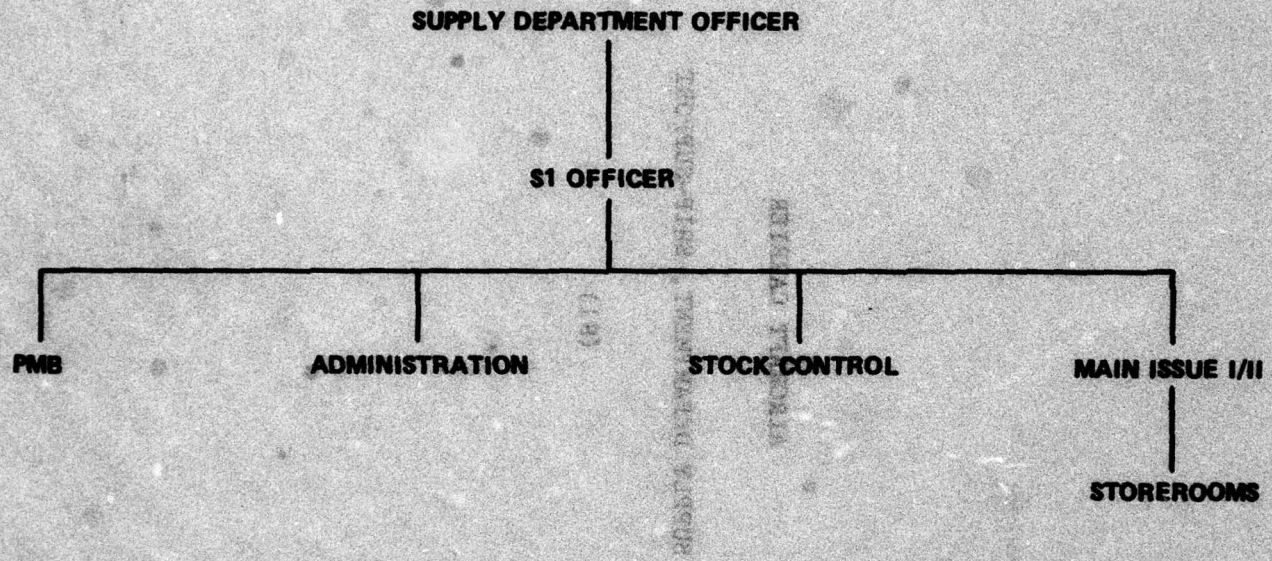


Figure C10 - Supply Department S1 Organization

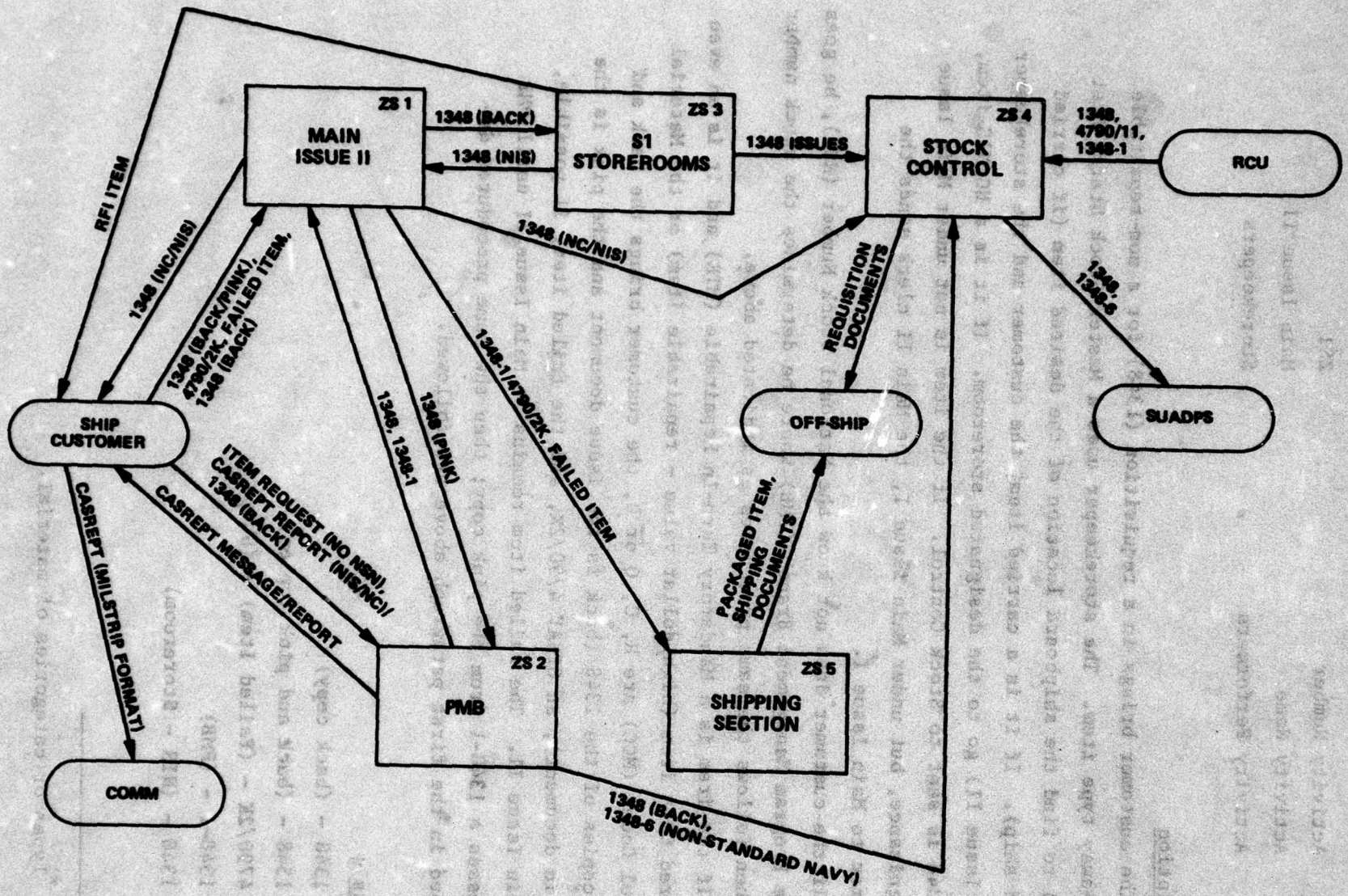


Figure C11 - Ship Supply Support (S1) Information/Material Flow

Activity Number	ZS1
Activity Name	Main Issue II
Activity Performers	Storekeepers

Description

The customer brings in a requisition (1348) for a non-repairable throw-away type item. The storekeeper uses a Master Stock Status List (MSSL) to find the shipboard location of the desired item (if carried aboard ship). If it is a carried item, the customer and the storekeeper (Main Issue II) go to the designated storeroom. If it is a NC/NIS item, the 1348 is sent to Stock Control. If the item is not under Main Issue II cognizance, but under Main Issue I, the Main II clerk sends the customer to Main Issue I.

If the customer does not know the National Stock Number (NSN), he goes to the Program Management Branch (PMB) where he determines the stock number and then follows the same procedures as indicated above.

If the item is a Mandatory Turn-In Repairable (MTR) and it is an even numbered COG* item (high dollar value - repairable item) or the Material Control Codes (MCC) are H, G, Q or D, the customer brings the back and pink copies of the 1348 (back is the issue document and the pink is the turn-in document), an OPNAV 4790/2K, and the failed item, if possible, to Main Issue II. The failed item remains in Main Issue II until PMB processes a 1348-1 from the pink copy; then the same procedures described in the first paragraph above are followed.

Inputs

1348 - (back copy)
1348 - (back and pink copies)
4790/2K - (Failed Item) - (Ship)
1348-1 - (PMB)
1348 - (NIS - Storeroom)

---

*Types or categories of material.

Outputs

1348 (back copy) - (Storeroom)

4790/2K, 1348, Failed Item - (Shipping Section)

1348 (pink copy) - (PMB)

1348 (NC/NIS) - (Stock Control)

1348 (NC/NIS) - (Customer)

Activity Number	ZS2
Activity Name	Program Management Branch
Activity Performer	Storekeeper

Description

The customer brings a request (no document) to PMB for an item without knowing the NSN. PMB personnel research documents such as Illustrated Shipboard Shipping Guide (ISSG), Catalogs (GSA, Defense Industrial Supply, Private Industry, non-standard Navy items, etc., and COSAL) from which they determine/give the NSN to the customer, who fills out a 1348 and goes to Main Issue II.

If the request is for a non-Navy item, the customer fills out a 1348-6 and carries it to Stock Control (Procurement).

If request is for a Mandatory Turn-In Repairable (MTR) item, Main Issue II sends the 1348 (pink copy) to PMB who produces a 1348-1 (shipping document), including the Designated Overhaul Point (DOP), which is then carried to Main Issue II. At Main Issue II, PMB matches the document, failed item, and 4790/2K (2K) and takes them to Shipping for processing.

If the customer designates the requested item as a Casualty Report (CASREPT) item, and the item is NIS/NC, the customer brings the CASREPT plus a 1348 (back copy) to PMB. PMB extracts appropriate data from the 1348 to prepare a CASREPT-formatted message (Military Standard Requisitioning and Issue Procedures-MILSTRIP). PMB fills in supply data on CASREPT and returns both (report and message) to customer. The Customer documents must be signed by designated personnel (Supply Officer - Division and/or S1, Department Head and CO). The CASREPT is then brought to Communications for transmission. PMB sends 1348 (back copy) to Stock Control for financial/inventory adjustment.

Inputs

Request NSN - (Ship Customer)

1348 (pink copy - Main Issue II)

NIS/NC CASREPT, 1348 (back copy - Ship Customer)

Outputs

NSN - (Ship Customer)

1348 (with NSN) - (Main Issue II)

1348-6 (Non-Standard Navy Item to Stock Control)

1348-1 (Main Issue II)

CASREPT Message/Report - (Ship Customer)

1348 (back copy) - (Stock Control)

Activity Number	**ZS3**
Activity Name	**S1 Storerooms**
Activity Performers	**Storekeepers**

Descriptions

The Storekeeper receives requests and issues items, if available. He performs storekeeping of items under his cognizance.

Input

1348 (back copy) - (Main Issue II)

Outputs

1348 Issues - (Stock Control)

RFI Item - (Ship Customer)

1348 (NIS - Main Issue II)

Activity Number	ZS4
Activity Name	Stock Control
Activity Performers	Storekeepers

Description

Stock Control receives 1348s for items that were issued, NIS/NC, CASREPT, and Non-Standard (1348-6). Its storekeepers perform inventory/financial control processing, update files, prepare reports, and reorder supplies. 1348s are sent to SUADPS for all items handled.

Inputs

1348, 1348-1, 4790/11 - (Requisition Control)

1348 Issue - (Storeroom)

1348-6 Non-Standard Navy - (PMB)

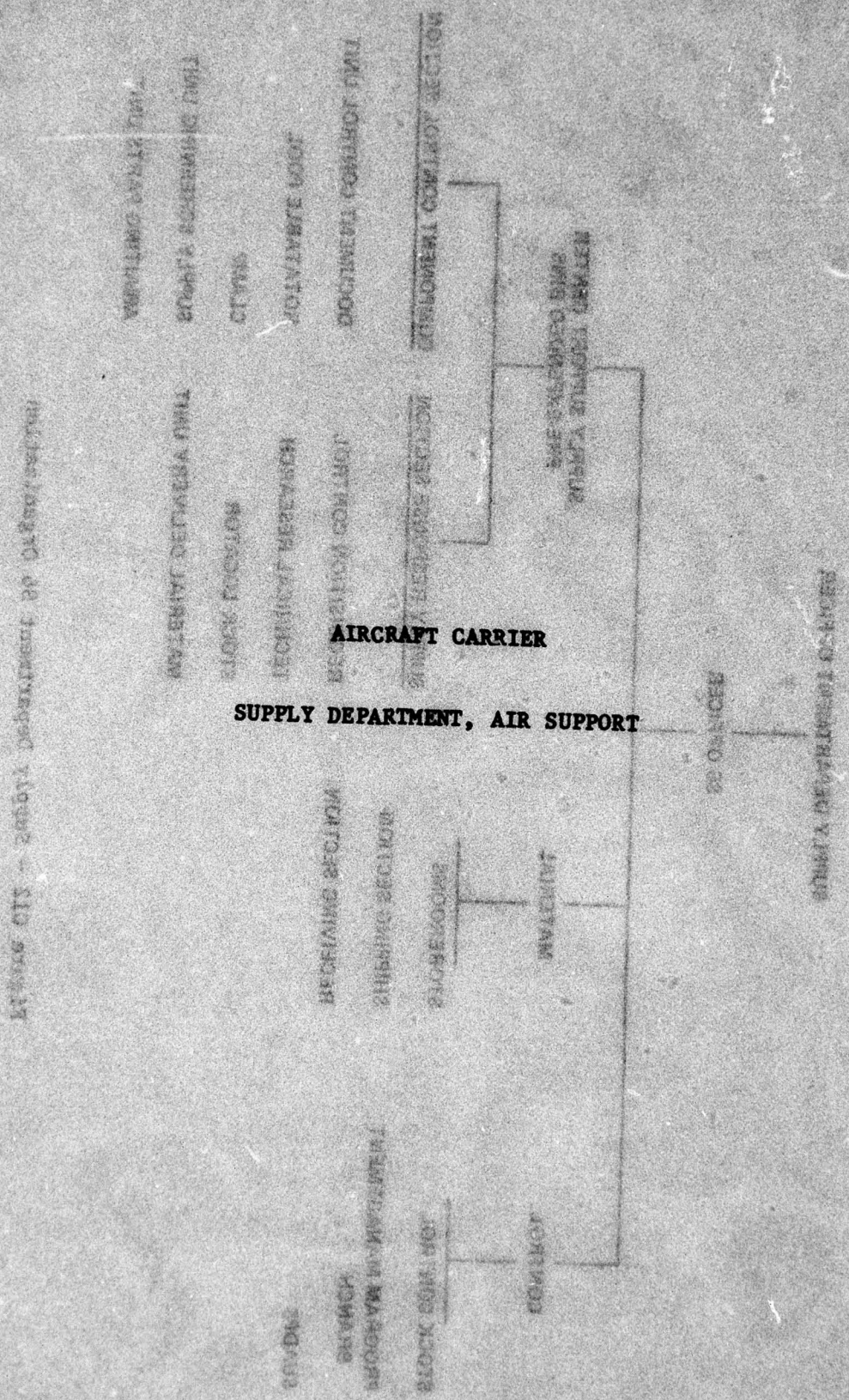
1348 NC/NIS - (Main Issue II)

1348 (black copy) - (CASREPT PMB)

Outputs

Requisition Document - (Off-Ship)

1348, 1348-6 - (SUADPS)



AIRCRAFT CARRIER

SUPPLY DEPARTMENT, AIR SUPPORT

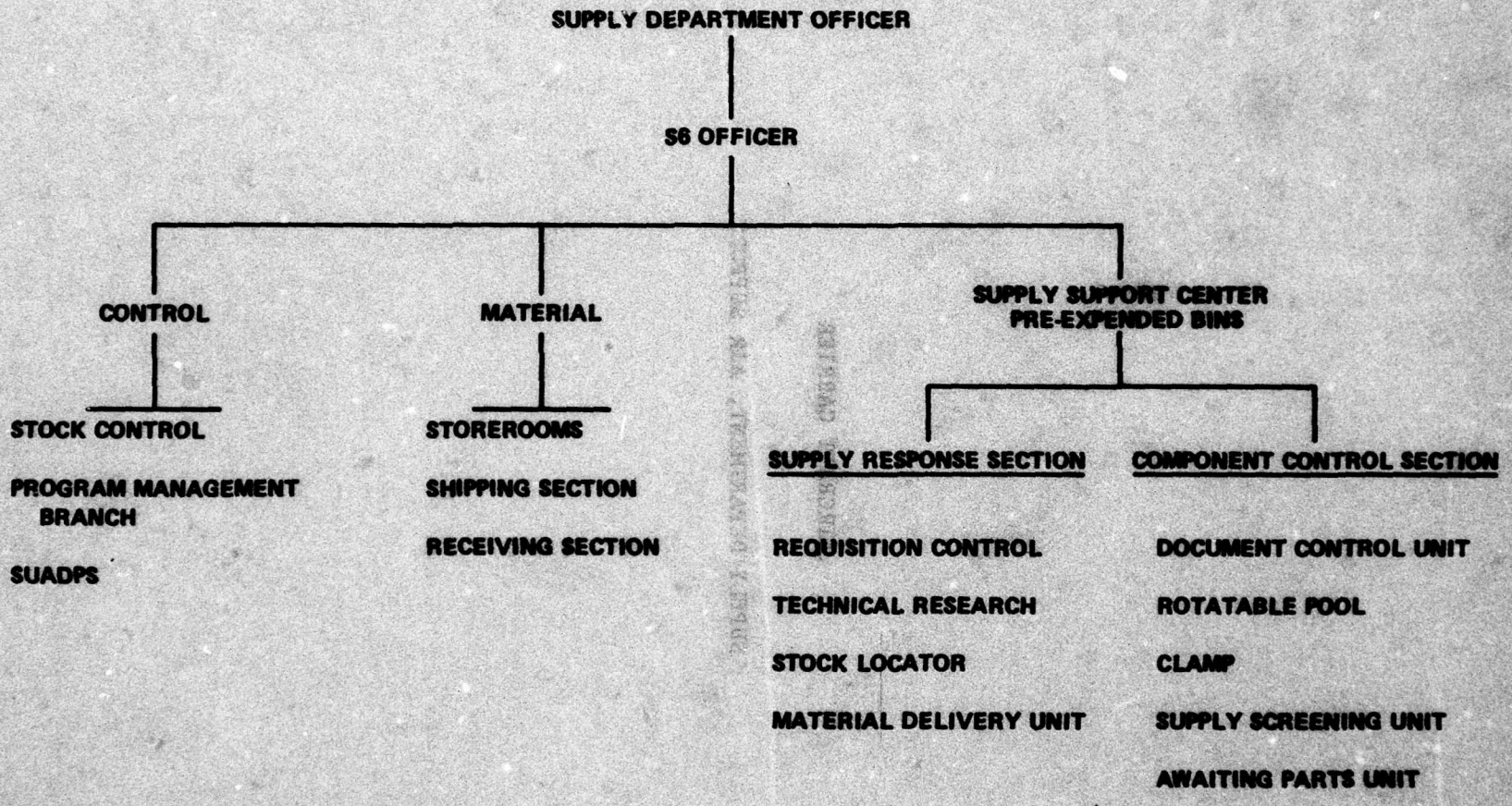


Figure C12 - Supply Department S6 Organization

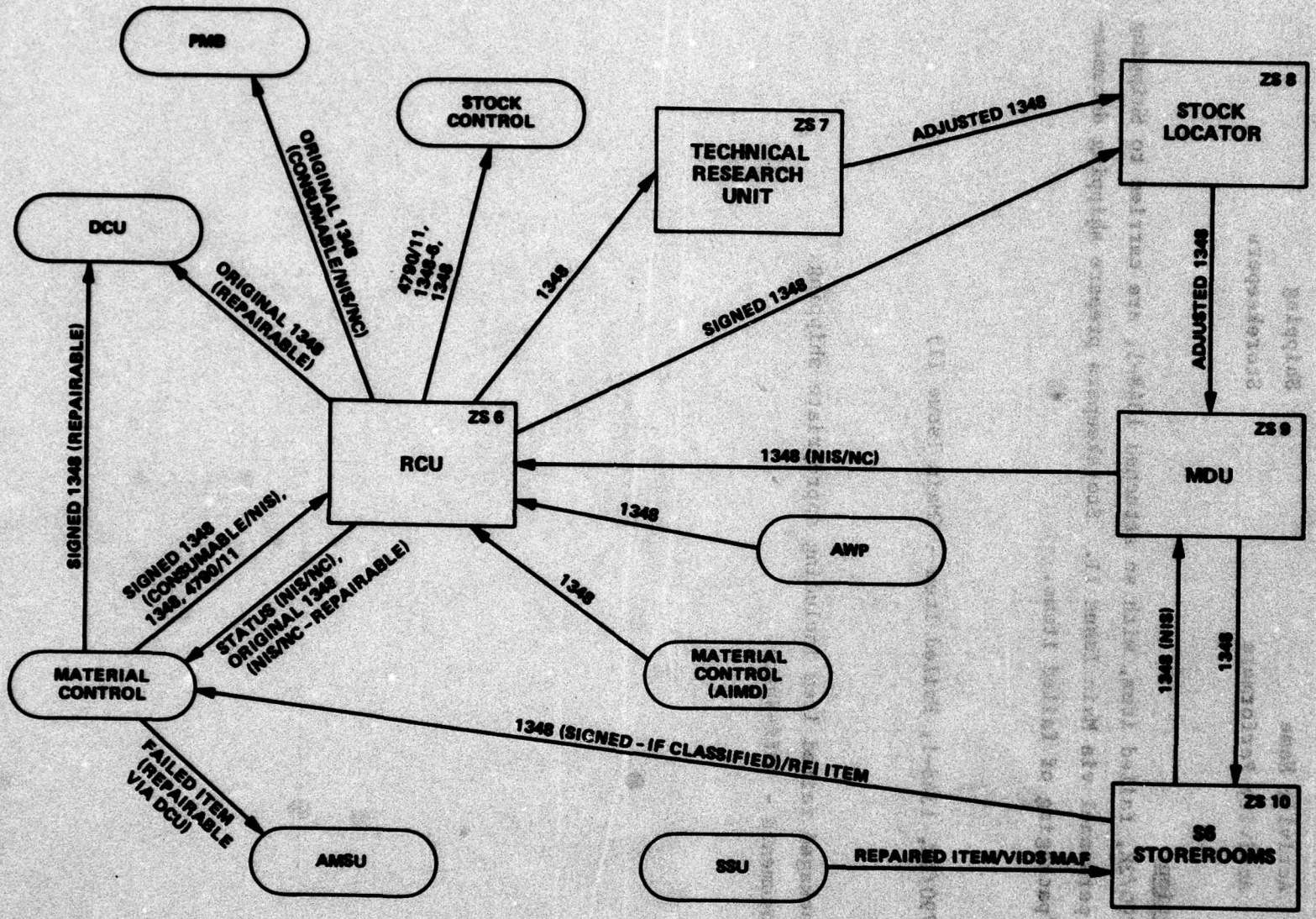


Figure C13 - Air Supply Support Material Information Flow - 1

Activity Number	ZS5
Activity Name	Shipping
Activity Performers	Storekeepers

Description

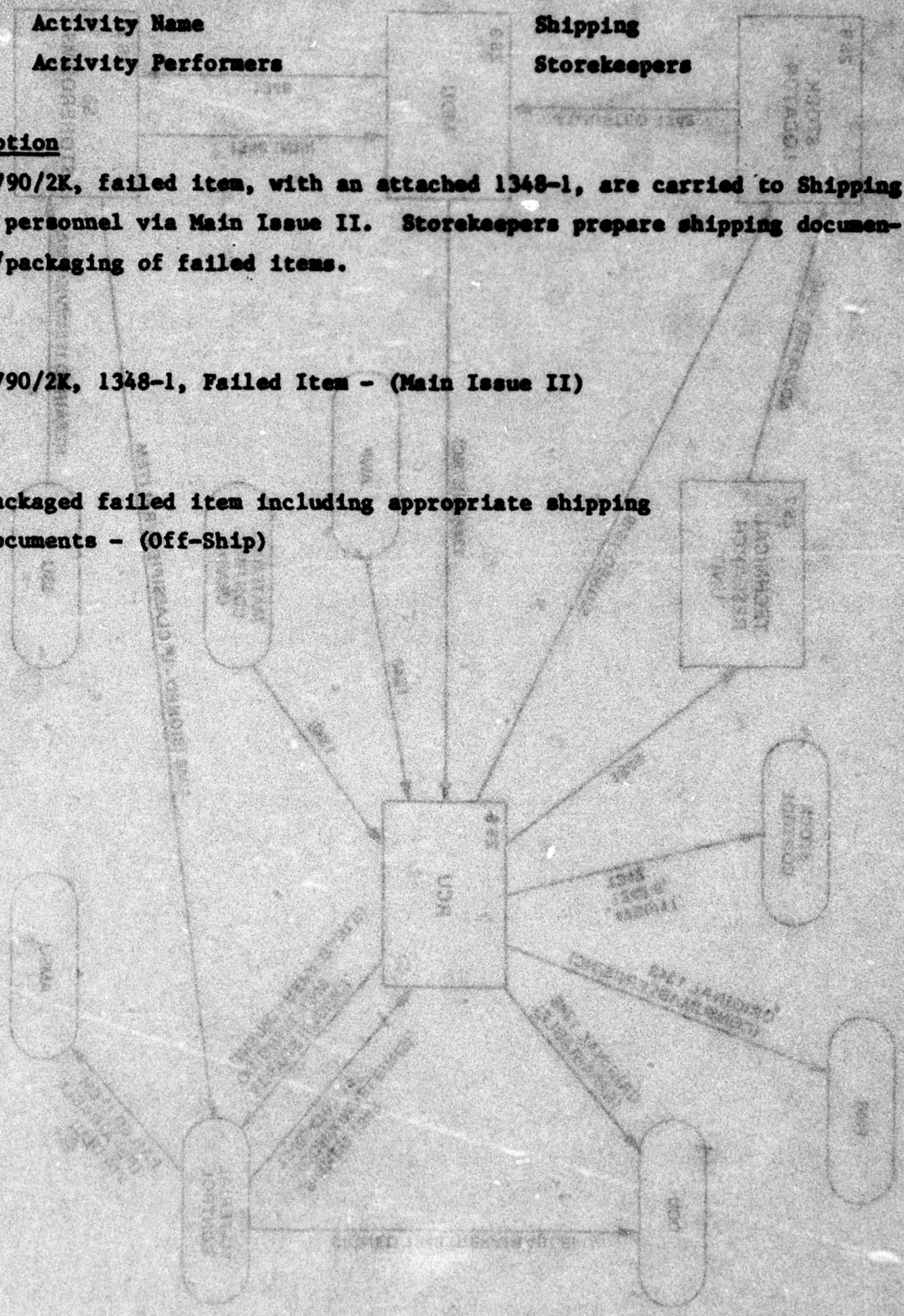
4790/2K, failed item, with an attached 1348-1, are carried to Shipping by PMB personnel via Main Issue II. Storekeepers prepare shipping documentation/packaging of failed items.

Input

4790/2K, 1348-1, Failed Item - (Main Issue II)

Output

Packaged failed item including appropriate shipping documents - (Off-Ship)



Activity Number	ZS6
Activity Name	Requisition Control Unit
Activity Performers	Storekeepers

Description

Requisition Control receives requisitions (requests) in form of teletype (TTY) printouts (4790/11 or 1348) from Material Control. They are logged, checked for data content, and then a 1348 is sent to the Technical Research Section.

Requisition Control receives an annotated document from MDU if the item(s) are NIS/NC. Appropriate data are recorded. Material Control is notified of the status of requisitions. The original requisition document is sent to Programs Management Branch (PMB), if consumable, and to Material Control, if item is repairable. NIS/NC annotated documents are sent to PMB.

Requisition Control receives signed (by Material Control) requisition document (consumable) if the item is NIS. The logged requisition document (signed) is forwarded to Stock Locator if the item is NC. Proof of delivery (1348) of all consumable issues is sent to Stock Control.

Inputs

1348, 4790/11 (document or printout - Material Control)
Signed 1348, Consumable NIS - (Material Control)
1348 (AWP/AIMD Work Center)
Annotated 1348 (NIS/NC items) - (MDU)

Outputs

1348 - (Technical Research)
Original 1348 (Consumable NIS/NC - PMB)
Original 1348 (Repairable - DCU)
NIS/NC Status - (Material Control)
Original 1348 (NIS/NC-Repairable - Material Control)

Outputs

Signed 1348 - (Stock Locator)

4790/11
1348-1 } **- (Stock Control)**
1348

Activity Number	**ZS7**
Activity Name	**Technical Research Unit**
Activity Performers	**Storekeepers (including senior)**

Description

The storekeeper checks the part number (of requisitions) in cross reference documents and lists a substitute, if necessary. If the requisition is for a repairable, the next higher assembly with the NSN is listed and the requisition with added information is forwarded to the Stock Locator.

Input

1348 (or 4790/11 - Requisition Control)

Output

Adjusted Requisition - (Stock Locator)

Activity Number	ZS8
Activity Name	Stock Locator
Activity Performers	Storekeepers

Description

The Stock Locator Storekeeper acquires adjusted 1348s (which include stock numbers of the requisitioned items). He looks up numbers in the Master Stock Status Listing* (MSSL) to determine storeroom location (including locations of all items noted as interchangeables). The Supplement Stock Status Listing (SSSL) is checked prior to the MSSL because it contains recent updates. The 1348 (with location) is sent to MDU for item delivery.

Inputs

Adjusted 1348 - (Technical Research)

Signed 1348 - (Requisition Control Unit)

Output

Adjusted 1348 - (MDU)

---

*MSSL has records of all stocks and SSSL has records of recent adjustments.

Activity Number	ZS9
Activity Name	Material Delivery Unit
Activity Performers	Storekeepers

Description

The Material Delivery Unit (MDU) receives the requisition from the Stock Locator. Its personnel (MDU) proceed to the indicated storage location (frequently unoccupied) and pick up the designated item, if in stock. MDU personnel deliver the item and requisition document to Material Control where the document is signed. If the item is repairable, the document is signed at Material Control and brought to DCU, and the failed item is delivered (by MDU) to AMSU.

If the item is consumable or NIS, the requisition is signed at Material Control and delivered to Requisition Control.

Inputs

Adjusted 1348 - (Stock Locator)

1348 NIS - (Storeroom)

Outputs

RFI (signed, if classified) Item/1348 - (Material Control via Storeroom)

1348 (NIS/NC) - (Requisition Control)

Failed Item - (to AMSU via Material Control)

Activity Number	ZS10
Activity Name	S6 Storerooms
Activity Performers	Storekeepers

Description

Unaccompanied - MDU storekeeper enters non-staffed storeroom with key obtained from Maintenance Support Package storeroom clerk, locates/picks desired item, locks door to storeroom and returns key, and delivers the RFI item to Material Control.

Accompanied - MDU storekeeper (including man with clearance) goes to classified storeroom, acquires/signs for item (if man on duty), and delivers it to Material Control.

Examples of types of storerooms are listed on the following page.

Inputs

1348 - (MDU)

Repaired Item, VIDS MAF - (Supply Screening Unit)

Outputs

RFI (signed, if classified) Item/1348 - (Material Control)

1348 (NIS) - (MDU)

S6

STOREROOM TYPES

Repair Parts

- Individual Outfitting List (IOL) - Avionics
- Airflame/engine components

End-item Repairables

- Avionics
- Airframe/Engine (including outsize items)

Special

- CLAMP* (Closed Loop Aviation Material System)
- Rotatable Pool**

Confidential

- Repairables

  End-items, sub-assembly (example-RADAR)

Flammable

- CO_2 protected (paints/greases)
- Water protected (tires)

Material Support Package (MSP)

- Consumable items (price constrained)

Overhead Storage

- Critical dimensions (drop tanks)

Special Components

- High classification - Safe (S6)

---

*CLAMP List specified by ASO.

**COMNAVAIRLANT approved list.

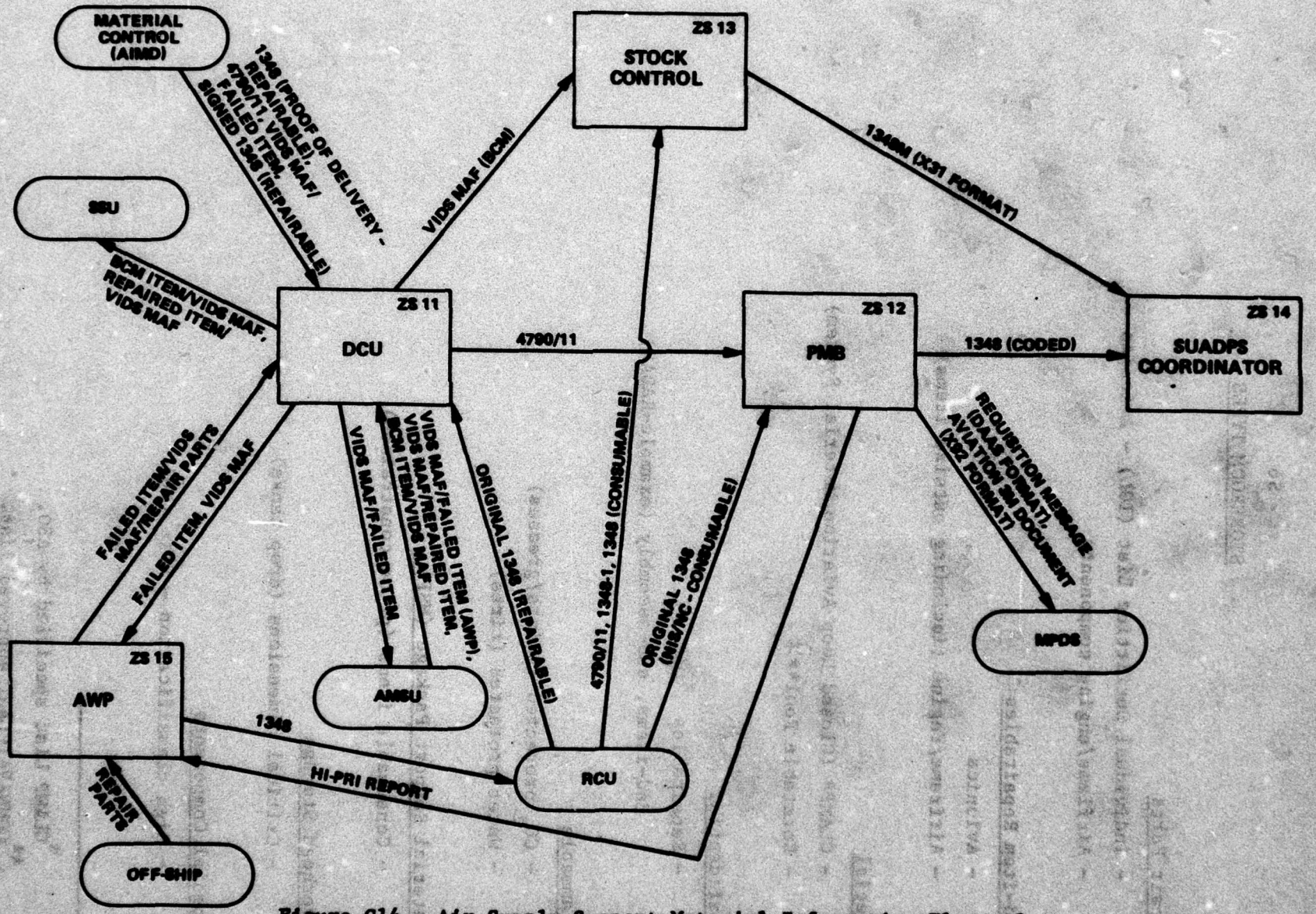


Figure C14 - Air Supply Support Material Information Flow - 2

Activity Number	ZS11
Activity Name	Document Control Unit
Activity Performers	Storekeepers

Description

Repairables - DCU maintains files of all repairable items awaiting turn-in and those in the repair cycle. DCU receives copies of all requisitions for repairables from the Requisition Control Unit (RCU) after the requisition is originally submitted. These documents are held in a "Work Awaiting Turn-In" file. DCU receives proof of delivery of the requisition (picked from storeroom) via a signed copy (Material Control) delivered by MDU. DCU sends repairable items (acquired/delivered by DCU) to the Aeronautical Material Screening Unit (AMSU) for repair. DCU holds a copy of of the VIDS MAF in its Induction File. After the item is repaired, DCU matches the VIDS copy held with the one attached to the repaired item. Beyond Capability Maintenance (BCM) items are similarly processed. Then VIDS MAF and repaired item are sent to the Supply Screening Unit.

Awaiting Parts (AWP) - If a failed item is awaiting parts in AIMD, it is turned in to DCU via AMSU to be forwarded to the Awaiting Parts (AWP) locker. When all requested repair parts are received, the failed item is ready for re-induction into the maintenance cycle.

Beyond Capability Maintenance (BCM) - If a non-RFI item is returned from Aviation Intermediate Maintenance Department (AIMD) as not repairable (BCM), the Induction File copy is pulled from the file (VIDS MAF) and the item is forwarded to the Supply Screening Unit. A copy of the 4790/11 (which was also filed with the VIDS MAF) is forwarded to PMB.

Inputs

Original 1348 (Repairable - Requisition Control)
BCM Item, VIDS MAF - (AMSU)
Signed 1348 (Repairable - Material Control)
VIDS MAF, Failed AWP Item - (AMSU)
Repair Parts/VIDS MAF/AWP Item - (AWP)

Inputs

4790/11/VIDS MAF/Failed Item - (Material Control)

Repaired Item/MAF copy - (AMSU)

Proof of Delivery (Repairable 1348 - Material Control)

Outputs

VIDS MAF and Repaired Item - (Supply Screening Unit)

BCM Item/VIDS MAF - (Supply Screening Unit)

Failed Item/VIDS MAF (AWP) - (AWP)

VIDS MAF/Failed Item - (AMSU)

VIDS MAF (BCM - Stock Control)

4790/11 copy - (PMB)

Activity Number	ZS12
Activity Name	Program Management Branch
Activity Performers	Storekeepers

Description

An annotated requisition document (NIS/NC) is received from RCU. PMB codes the document for SUADPS and Aviation 3M. PMB prepares a message for all direct-turn-over requisitions (customer requisitions for items not carried). They also transmit message requisitions via the Message Processing Data System (MPDS) directly off-ship. They monitor the status of off-ship requisitions. They prepare customer (Material Control) reports of requisition status. Data are computer-generated via the Hi-Pri (High Priority) monitoring program.

PMB processes Transaction Error Listings for all maintenance related off-ship aviation requisitions. For maintenance assigned to all work centers, PMB prepares all Pre-Ex (Pre-Expendable) documents to be sent off-ship as requisitions in DAAS format.

Inputs

Original 1348 (NIS/NC Consumable - Requisition Control)

4790/11 - (DCU)

Outputs

Message Requisition (DAAS Format - Off-Ship)

Aviation 3M document (X92 Format - Aviation 3M)

Hi Pri Report - (AWP)

Coded 1348 - (SUADPS)

Activity Number	ZS13
Activity Name	Stock Control
Activity Performers	Storekeepers

Description

Stock Control receives a 1348 proof of delivery (of all consumable issues) from Requisition Control Unit (RCU). They receive proof of BCM for all repairables from Document Control or Screening, as appropriate. They process and issue documents to update stock records. They code BCM documents for SUADPS (in X31 format).

Inputs

4790/11,1348,1348-1 - (Requisition Control Unit)
VIDS MAF (BCM) - (DCU)

Output

1348M (X31 Format, BCM-SUADPS Coordinator)

Activity Number	ZS14
Activity Name	SUADPS Coordinator
Activity Performer	Senior Clerk

Description

The SUADPS Coordinator assembles and schedules all SUADPS updates. He checks documents for accuracy and sends them to Automatic Data Processing (ADP) Services. He distributes ADP outputs and prepares documentation for inventory.

Inputs

Coded 1348 - (PMB)

1348M (X31 Format - Stock Control)

Output

SUADPS Report Updates

Activity Number	ZS15
Activity Name	Awaiting Parts Unit
Activity Performers	Storekeepers

Description

AWP receives and holds a failed item until the requisitioned (repair) parts are received from off-ship. The storekeeper checks the VIDS MAF document attached to the failed item for outstanding repair parts. He files the VIDS MAF document in JCN sequence. When he receives the repair parts, he checks the Hi-Pri report (by JCN) to determine whether the failed item is listed. When all repair parts are received, he forwards the failed item, acquired repair parts, and VIDS MAF document to DCU.

Inputs

Repair parts - (Off-Ship)

Failed Item/VIDS MAF - (DCU)

Hi-Pri Report - (PMB)

Outputs

Failed Item/Repair Parts/VIDS MAF - (DCU)

1348 - (Requisition Control Unit)

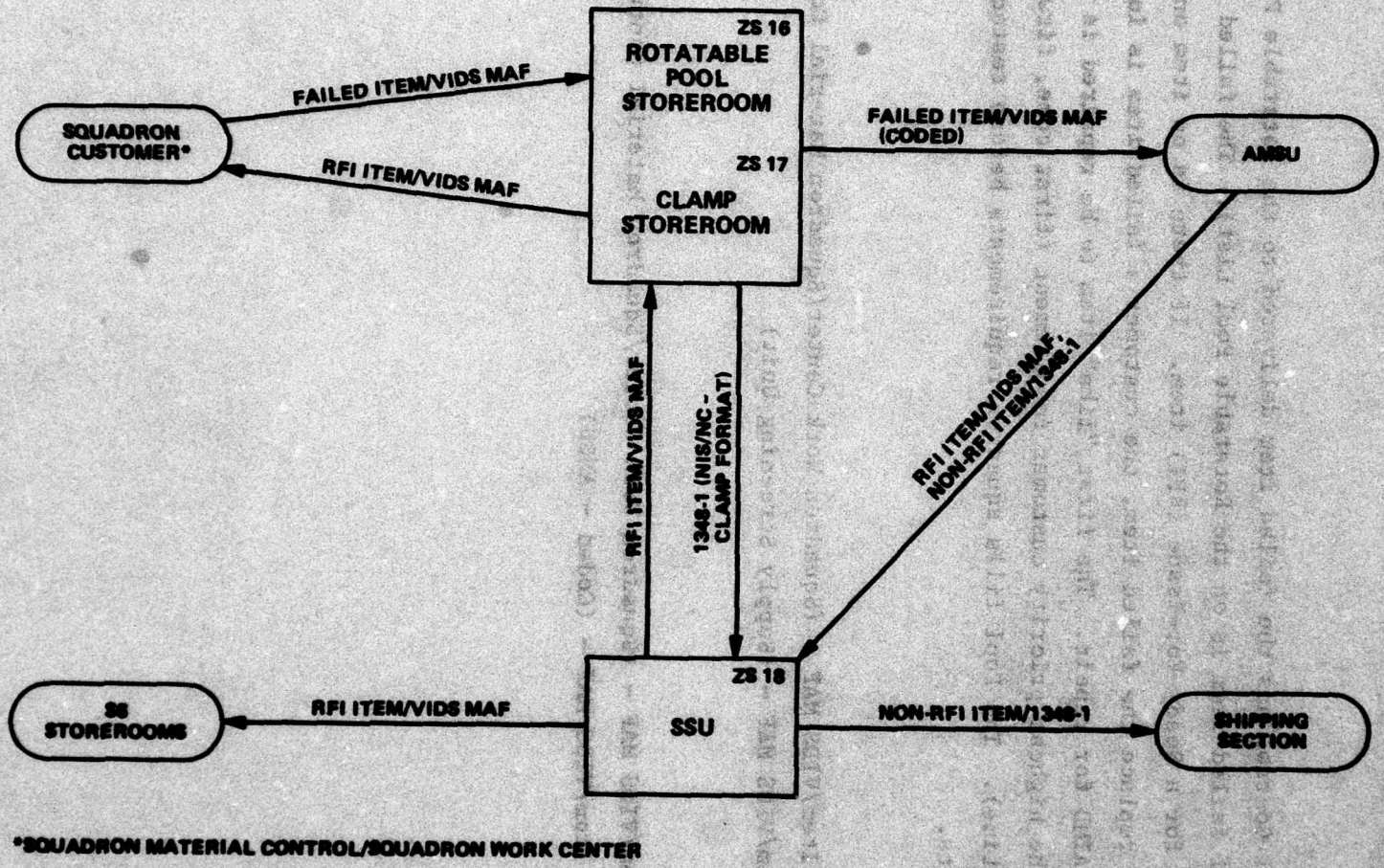


Figure C15 - Air Supply Support Material Information Flow - 3

Activity Number	ZS16
Activity Name	Rotatable Pool
Activity Performer	Storekeeper (1 senior)

Description

Material Control has the failed item delivered to the Rotatable Pool storeroom (if failed item is on the Rotatable Pool List). The failed item is exchanged for a Ready-For-Issue (RFI) item. If there is no item on the shelf to replace the failed item, the customer's failed item is inducted into AIMD for repair. The first "like" item to be repaired is used to satisfy the highest priority customer requirement (first come, first served - by time). The Pool fills squadron requirements before restocking "shelf" assets.

Inputs

Failed Item/VIDS MAF - (Squadron Work Center/Squadron Material Control)

RFI Item/VIDS MAF - (Supply Screening Unit)

Outputs

RFI Item/VIDS MAF - (Squadron Work Center/Squadron Material Control)

Failed Item/VIDS MAF - (Coded - AMSU)

Activity Number	ZS17
Activity Name	Closed Loop Aviation Material Program
Activity Performers	Storekeepers

Description

Procedures are the same in Closed Loop Aviation Material Program (CLAMP)* Storeroom as in Rotatable Pool for replacement items available for issue.

If replacement item is NIS/NC, an off-ship requisition is prepared in CLAMP format.

CLAMP storekeepers fill squadron requirements before restocking shelf assets.

Inputs

Failed Item/VIDS MAF - (Squadron Work Center/Material Control)

RFI Item/VIDS MAF - (Supply Screening Unit)

Outputs

Failed Item/VIDS MAF (Coded-AMSU)

RFI Item/VIDS MAF - (Squadron Work Center/Material Control)

1348-1 (NIS/NC, CLAMP Format - Supply Screening Unit)

---

*CLAMP items are items that are in short supply (critical) and acquired from commercial vendors.

Activity Number	**ZS18**
Activity Name	**Supply Screening Unit**
Activity Performers	**Storekeepers**

Description

Supply Screening Unit receives all items not being returned to customer (RFI/Non-RFI) from AIMD via DCU. RFI components are assigned storeroom locations (using MSSL) and given to MDU personnel for delivery to appropriate storerooms.

Non-RFI items are forwarded to shipping with an accompanying 1348-1 document (for transfer off-ship).

Inputs

RFI Item/VIDS MAF - (AMSU via DCU)

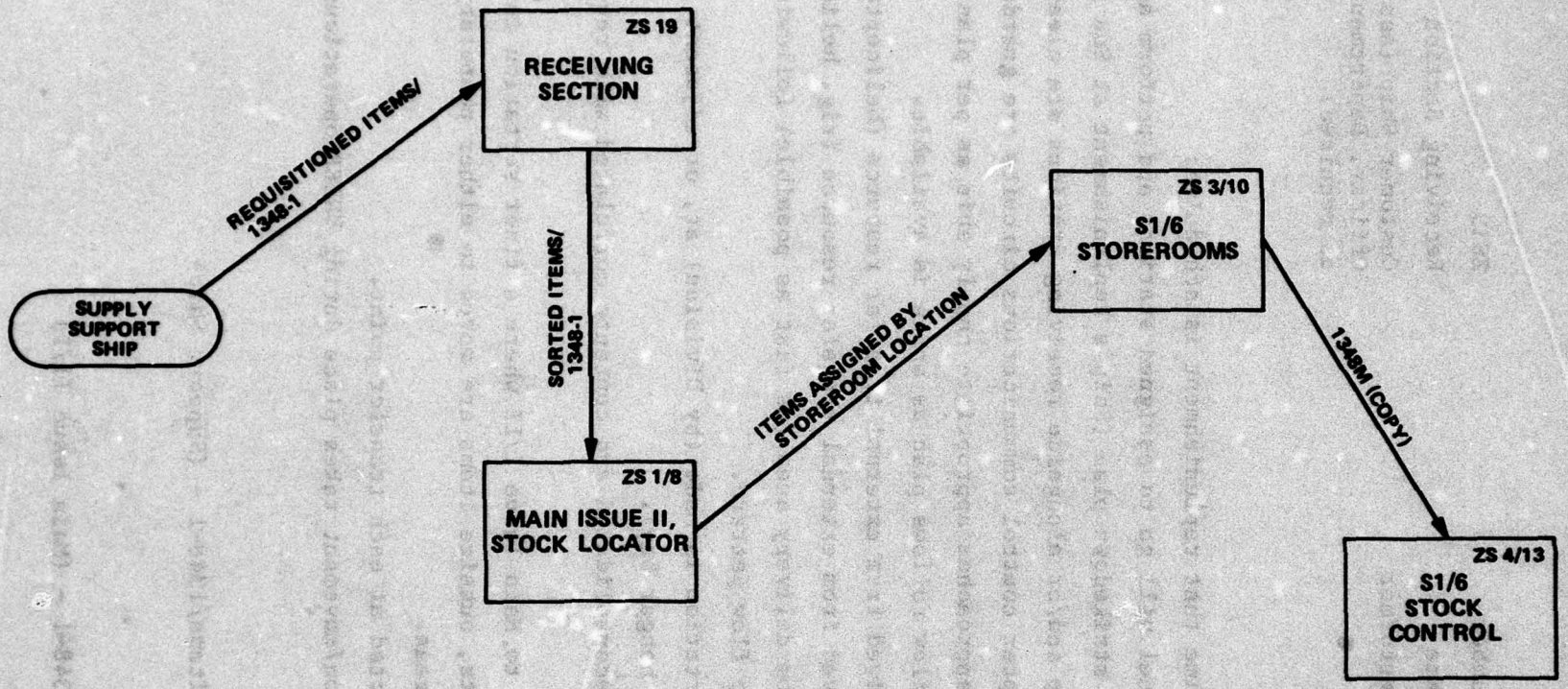
Non-RFI Item/1348-1 - (AMSU via DCU)

1348-1 (NIS/NC CLAMP Format - CLAMP Storeroom)

Outputs

RFI Item/VIDS MAF - (Storeroom/CLAMP/Rotatable Pool)

Non-RFI (BCM) Item/1348-1 - (Shipping)



NOTE: INCOMING MATERIAL IS ROUTED TO S1 OR S6 ACTIVITIES, AS APPROPRIATE

Figure C16 - Shipboard Resupply Material Information Flow

Activity Number	ZS19
Activity Name	Receiving Section
Activity Performer	Customer Ship (Ass't Supply Officer, Department Personnel- as required)

Description

Prior to the time that replenishment is scheduled:

1. Personnel will go to assigned stations and perform assignments as per strikedown plan (Ship's Replenishment at Sea Bill).
2. Vertrep and/or alongside receiving stations are cleared.
3. Helicopter control communications circuits are guarded.

Customer ship approaches appropriate supply ship as per plan.

Material flow follows plan as space is available.

Items are received from external transfer resource (helicopter, rig). As stores are received from external transfer resource (rig, helicopter), they are cleared from delivery area (as fast as possible) following designated (plan) traffic flow pattern.

Preliminary sortation is made (by Division) at, or adjacent to, receiving station (on hangar bay).

Supplies are deconsolidated and contents correlated with requirements lists.

Stock items go to Main Issue I/II where a finer sortation is made.

As space permits, outsize items are moved to either temporary or permanent stowage areas.

Cargo is inspected at each transfer point.

No air operation/movement takes place during UNREP operations.

Input

Requisitioned Items/1348-1 - (Support Ship)

Output

Sorted Items/1348-1 - (Main Issue II/I)

APPENDIX D

USS AMERICA

DESCRIPTIONS OF CURRENT SUPPLY SUPPORT

and

RELATED MAINTENANCE ACTIVITIES

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A. MAINTENANCE

AIR WING ORGANIZATIONAL LEVEL

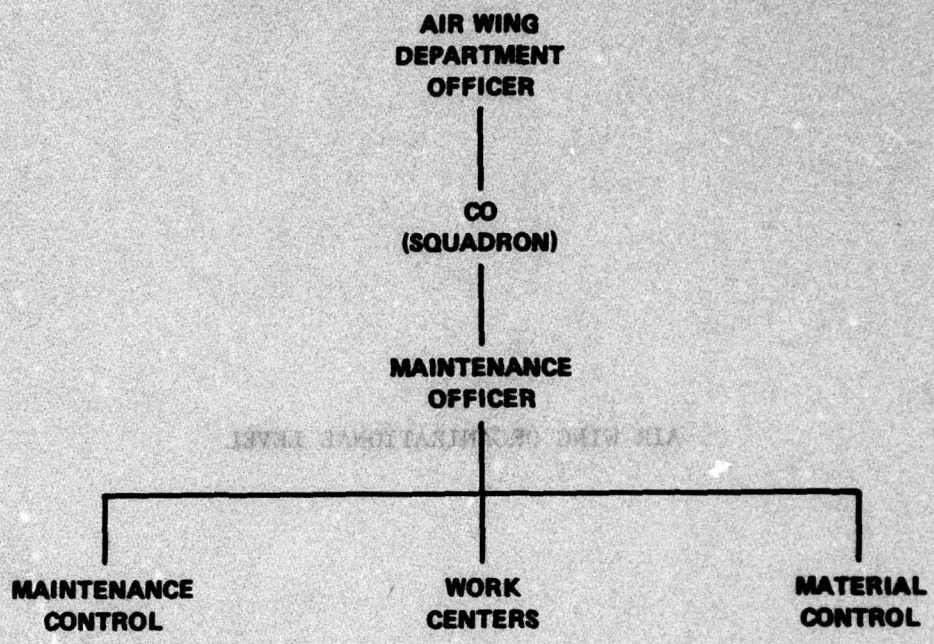


Figure D1 - Air Wing Organizational Structure

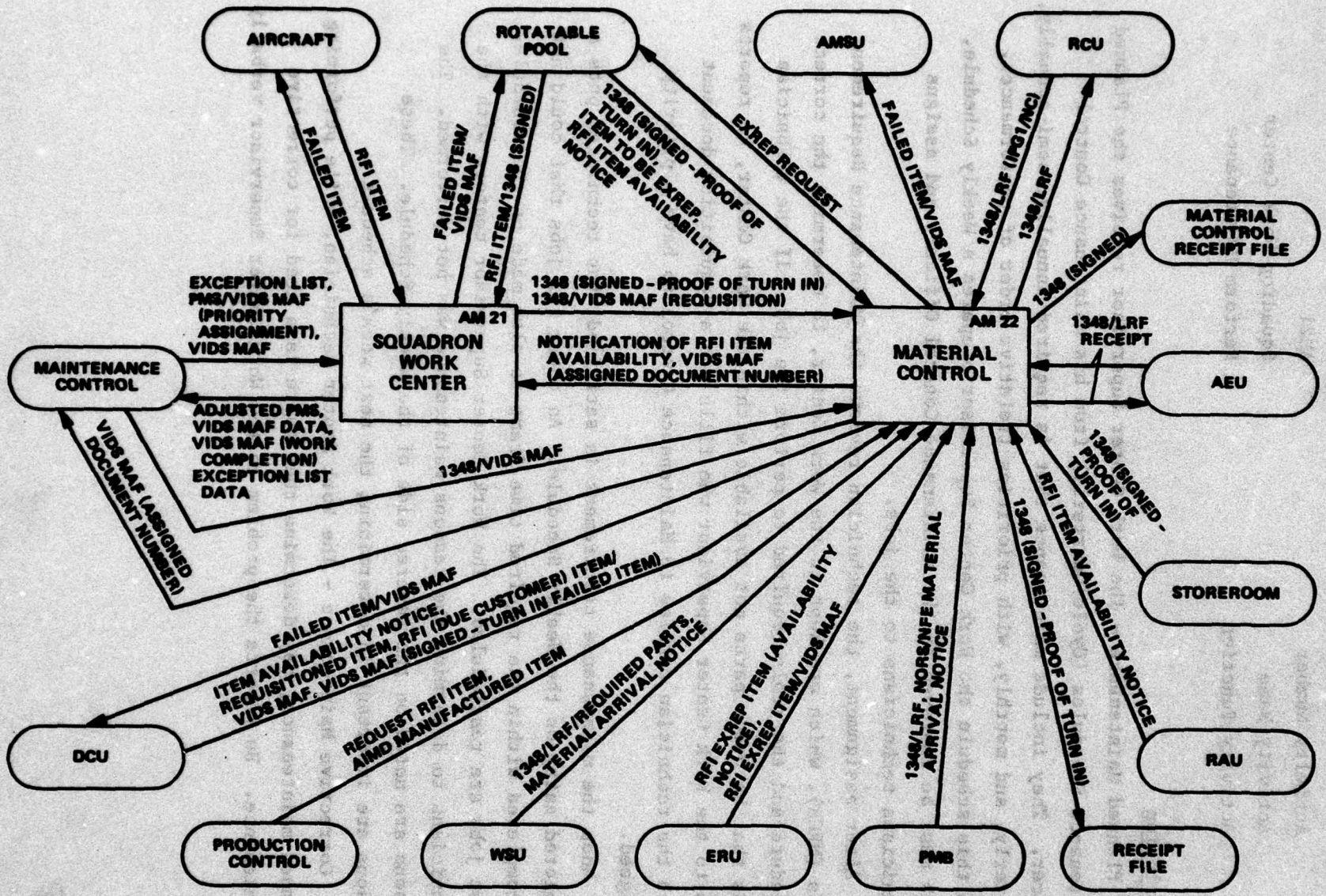


Figure D2 - Air Organizational Level Information Material Flow

Activity Number	AM21
Activity Name	Squadron Work Center
Activity Function	Perform Maintenance

Description

Planned Maintenance - The Work Center Supervisor receives the Planned Maintenance Schedules (Cycle/Quarterly) from his Maintenance Control Officer. They include maintenance that is required annually, semi-annually, quarterly, and monthly, with priorities (relative order of performance). From this schedule the Work Center Supervisor prepares a Weekly Schedule, which must be approved by the Maintenance Control Officer, and assigns technicians technicians to the jobs.

After assignment, the technician reviews the Maintenance Requirement Cards (MRCs), which are kept in the Work Center, to determine the correct procedure and the tools required to perform the job. If the technician finds that he needs parts not available within the Work Center, he reports this to the Work Center Supervisor who fills out a requisition document which the technician carries to Maintenance Control to have a priority assigned.

When the maintenance requirement is satisfied, the technician puts a completed entry on the Weekly Schedule. An entry for jobs that could not be completed within the required time frame is also made on the schedule. These jobs are rescheduled. The Work Center Supervisor confers with the technicians to determine the reasons maintenance was not performed. The reasons are noted on the reverse side of the Weekly Schedule. These reasons are important in determining the next week's schedule.

Corrective Maintenance - The Work Center technician, while performing planned maintenance, may determine that there is a need for corrective maintenance. He reports the problem to the Work Center Supervisor verbally

or via a VIDS MAF. The Work Center Supervisor notifies Maintenance Control, via a VIDS MAF document or by telephoning VIDS MAF data, that corrective maintenance is required.

Aircraft personnel may also generate a VIDS MAF (see Special Case). Immediately upon return from a flight, the aircaft personnel may fill out a VIDS MAF which is filed in the Aircraft Discrepancy Book (ADB). Several problems could be detected during one flight. Maintenance Control retains these ADB's between flights and screens the new VIDS MAFs to identify the type of problem. This information is used to determine which Work Center has cognizance over the problem. At Maintenance Control each Work Center has an assigned mail slot. The Maintenance Control Supervisor places a copy of the VIDS MAF in the appropriate mail slot. Approximately every half hour a technician or supervisor from each Work Center stops by Maintenance Control and picks up deposited copies of the VIDS MAF (if any).

The Work Center Supervisor assigns a Work Center technician to determine what is needed to repair the aircraft. When the Work Center technician begins the job, he records on the VIDS MAF (green copy) the date and hour he undertook the assigmment. After a job which required no parts has been completed, the Work Center technician again records the hour and date and handcarries the VIDS MAF to Maintenance Control.

If a replacement item is needed, the Work Center Supervisor/technician fills out the necessary information on the VIDS MAF. The technician may use the Maintenance Information Manual and the Illustrated Parts Breakdown (IPB) to identify the required parts. The shop technician will handcarry the VIDS MAF to Maintenance Control to have a priority assigned. Four general groups of priorities are listed in the NAVSUP P 485. Generally speaking, aviation parts are included in Group 3. However, the Urgency of Need (UMMIPS) dictates the priority assignment. The Maintenance Control Supervisor assigns a priority to the job which is noted on the VIDS MAF. The VIDS MAF is then transferred to the Material Control Supervisor who requisitions the required parts from the Requisition Control Unit (RCU).

After being notified by the Material Control Supervisor that the required replacement item is RFI, the Work Center Supervisor sends a technician with the second VIDS MAF (see Work Center Section) and failed item, if not on Exception List, to the Rotatable Pool to make the exchange. The Work Center technician carries the issued item to the Work Center/Aircraft. Either before or after delivering the RFI item to the Work Center/Aircraft, the technician gives the signed 1348 (proof-of-turn-in) to Material Control, where it is filed in their Receipt File and maintained for approximately six months. The procedure for a RFI non-Pool item is generally the same. The differences are:

When a requisition is made to replace a failed item, the failed item must be turned in immediately.

The Supply Response Section (SRS) sends its own personnel (SRS runner) to the proper storeroom to procure and deliver the good item to the Work Center/Aircraft.

If the needed item is a repairable, the Work Center Supervisor fills out a second VIDS MAF. He fills out only the shaded blocks of this VIDS MAF to correspond identically with the original VIDS MAF. The Work Center Supervisor rolls up the second VIDS MAF, puts it in the plastic document envelope attached to the failed item, and assigns a work center technician to handcarry them to the appropriate storeroom.

The Squadron Work Centers are primarily concerned with end items. The Squadron Organizational Level Maintenance primarily replaces end items and does minimum repair work. All required end items come from the Rotatable Pool. However, all items are not exchanged one-for-one. In special cases a failed item cannot be taken to the Rotatable Pool or AMSU until a good item is ready for issue (RFI). These items are listed on the Exception List (i.e., aircraft engines, tires, etc.). They usually include major components which disable the aircraft when removed. However, when they remain installed, although inoperative, the aircraft is not disabled. Maintenance Control compiles a master Exception List from all the ships' Squadrons and forwards it to the Command Air Group (CAG). If the required part is on the Exception List, Maintenance Control informs the work center

that they are not to remove the component from the aircraft until supply receives a new one. There is no difference in the manner in which paperwork for Exception Lists and other failed items is handled. However, there is a slightly different handling procedure if the repairable item is classified. Classified repairables are handcarried directly to their destinations, requiring signatures along the route by all storekeepers with the required security clearance to handle the item. The classified items are not transferred to Material Control (with accompanying paperwork) as are non-classified items. They are carried directly to the Rotatable Pool or the Work Center.

The Quality Assurance Activity is separate from the Work Centers. However, each Squadron Work Center has assigned to it Quality Assurance Representatives (QAR's) which inspect all completed work. Work Center technicians in every Work Center are qualified to be Collateral Duty Inspectors (CDIs). These Work Center technicians inspect all work performed within their Work Centers, but they are <u>not</u> allowed to inspect their own work. After they have inspected the completed work, the Quality Assurance Representatives inspect the work again. The QAR's are more highly trained than the CDI's.

<u>Special Case</u>

If the problem that the aircraft personnel detect is disabling to the aircraft, the aircraft personnel immediately inform the Flight Deck Coordinator upon landing. The Flight Deck Coordinator is Maintenance Control's "Man on the Roof" (flight deck). The Flight Deck Coordinator assigns trouble shooters (Work Center technicians) to immediately assess the problem. At the same time, the Flight Deck Coordinator notifies (via radio) the Maintenance Control Supervisor as to the extent of the problem. In this case, the aircraft personnel take the VID MAF directly to Maintenance Control.

<u>Inputs</u>

VIDS MAF (Maintenance Control)

Planned Maintenance Schedule/VIDS MAF (Priority Assignment) - (Maintenance Control)

Inputs

Exception List - (Maintenance Control)

Failed Item (Aircraft)

RFI Item/1348 (Signed proof-of-turn-in - Rotatable Pool)

VIDS MAF (Assigned Document Number - Material Control)

Notification of RFI Item Availability - (Material Control)

RFI (Ex Rep) Item/VIDS MAF - (ERU)

Outputs

VIDS MAF/Priority Request - (Maintenance Control)

Adjusted Planned Maintenance Schedule - (Maintenance Control)

VIDS MAF data - (Maintenance Control)

VIDS MAF (work completion) - (Maintenance Control)

Exception List Data - (Maintenance Control)

Failed Item/VIDS MAF - (Rotatable Pool)

RFI Item (Aircraft)

1348/VIDS MAF (Requisition - Material Control)

Activity Number	AM22
Activity Name	Material Control (Squadron)
Activity Function	Material Acquisition

Description

Material Control receives a requisition from either the Work Center or Maintenance Control. This requisition is usually in the form of a telephone call. However, a VIDS MAF is sometimes used. At this point, it is not important for Material Control to see the actual VIDS MAF. When Material Control receives the phone call, he requires the work unit code, JCN, priority, part No., stock No., manufacturer's code, and any technical references. Material Control uses this information to correlate the part number with the stock number when available, and to check the fund code/cost. If the stock number is not available, Material Control orders by part number and manufacturer's code. Material Control assigns a document number to the VIDS MAF and the requestor on the telephone line writes this document number on the VIDS MAF. During this phone call, the storekeeper in Material Control records the time that this requisition was made. Material Control immediately telephones the RCU to order this part. This completes the Material Control Storekeepers processing of the requisition until a reply is received.

If the item is a Ready-for-Issue (RFI)/Rotatable Pool item, the RCU personnel calls Material Control who calls the appropriate Work Center and informs the Work Center Supervisor that the part is RFI.

If an item is not in stock (NIS), Material Control asks the RCU if it can EXREP the failed item (see Exrep Storekeeper).*

If the item is repaired by AMSU and due to customer, DCU notifies Material Control that the item is RFI.

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*If NIS/NC, PMB sends a message and returns the LRF copies to Squadron Material Control (Original goes to Stock Control).

Inputs

1348/VIDS MAF (Requisition - Work Center/Maintenance Control)

Notification of RFI Item availability - (Rotatable Pool/RAU)

1348 (signed) proof-of-turn-in - (Storeroom/Rotatable Pool)

AIMD Manufactured Part - (Production Control - AIMD)

Notification - Requested part RFI - (Production Control)

1348/LRF (IPG 1/NC - RCU)

Notification of Availability of ExRep RFI Item - (ERU)

RFI (ExRep) Item/VIDS MAF - (ERU)

Notification of Item to be ExRep - (Rotatable Pool)

1348/LRF, NORS/NFE Material Arrival Notification - (FMB)

1348/LRF/Required Parts, Notification of Material Arrival - (WSU)

Item Availability Notice - (DCU)

Requisitioned Item - (DCU)

VIDS MAF (signed, if customer turn-in failed item) - (DCU)

RFI (Due Customer) Item/VIDS MAF - (DCU)

1348/LRF Receipt - (AEU)

Outputs

Assignment Number Document - (Work Center/Maintenance Control)

Notice of RFI Item Availability - (Work Center)

Failed Item/VIDS MAF - (DCU)

1348/LRF Receipt - (AEU)

1348/LRF Data-Telephone Request - (RCU)

ExRep Request - (Rotatable Pool)

1348 (signed) (proof-of-turn-in) - (Receipt File)

AVIATION INTERMEDIATE MAINTENANCE LEVEL (AIMD)

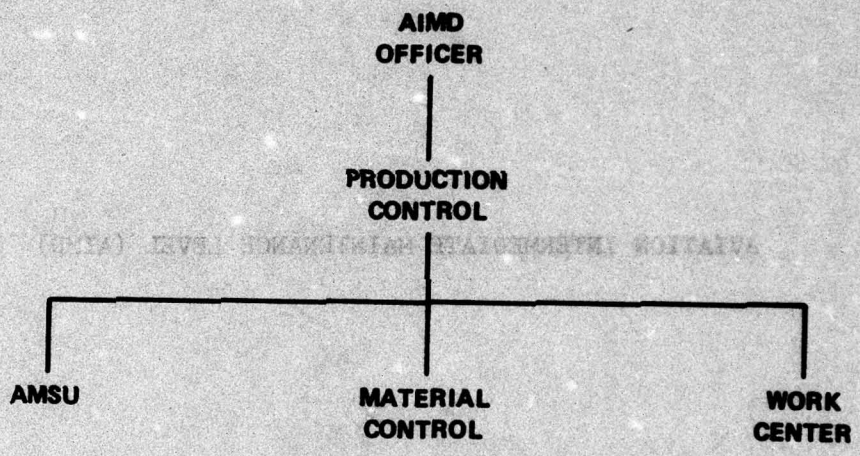


Figure D3 - AIMD Organizational Structure

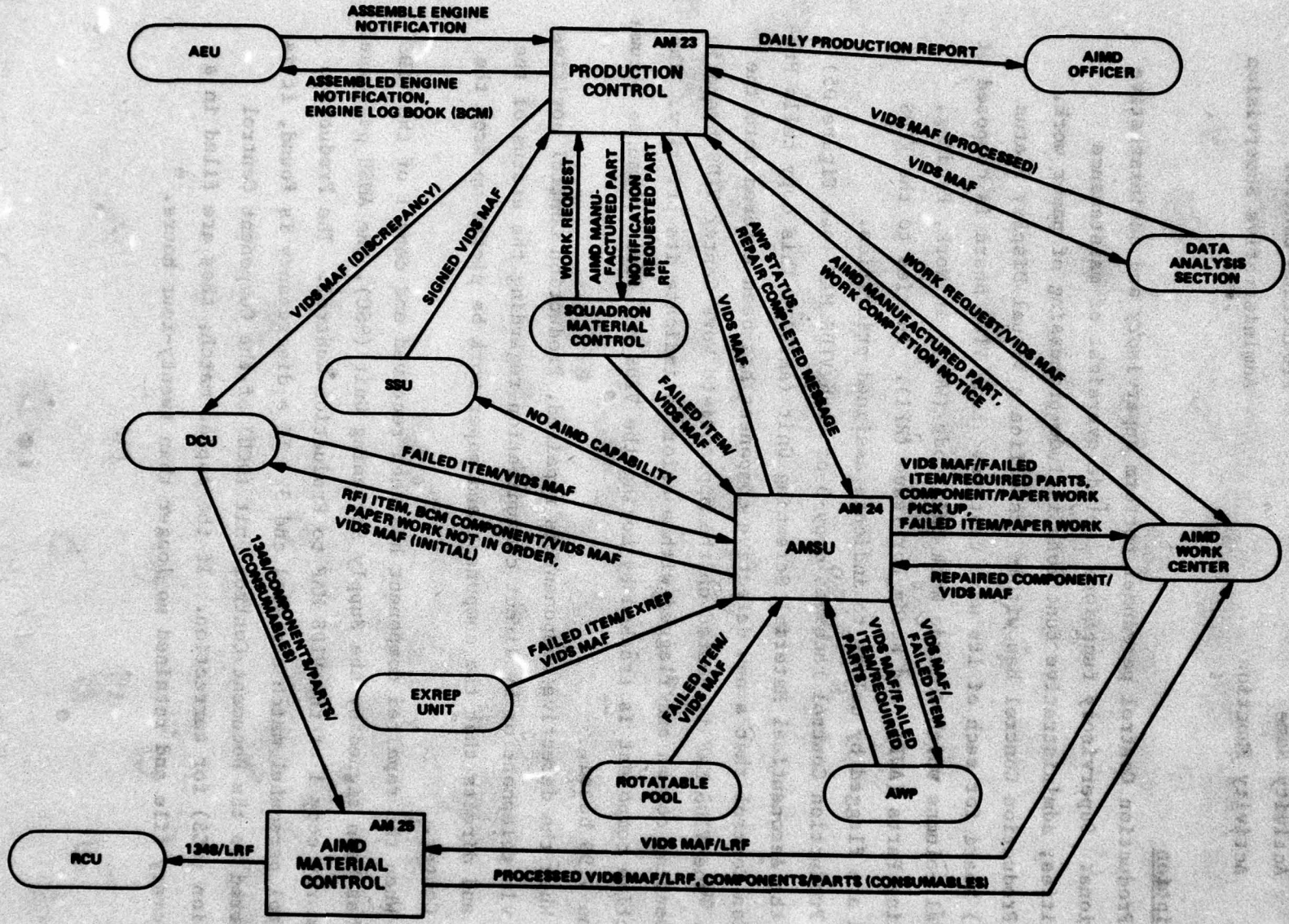


Figure D4 - AIMD Information Material Flow

Activity Number	AM23
Activity Name	Production Control
Activity Function	Administrative Supervision

Description

Production Control personnel perform supervisory and administrative functions. Supervisory functions include oversight of maintenance activities; administrative functions include processing of paper work.

Production Control has within its office a Visual Display Status (VIDS) board for each of its work centers. Each VIDS board is composed of several columns which include Work Unit Code (WUC), In Work, Pending, Awaiting Parts (AWP), and Ready For Issue (RFI). Entries to the VIDS board are flagged by colors to indicate assigned priorities.

Production Control receives copy 3 of each VIDS MAF (see Figure D5) from the Aeronautical Material Screening Unit (AMSU). This copy tells Production Control that a new defective component has been entered into the AIMD. The VIDS MAF is posted on the appropriate Work Center VIDS board in the pending column and flagged with a color to indicate its priority. The defective component is tracked by moving the VIDS MAF from column to column on the VIDS board.

When the defective component is repaired, Production Control notifies AMSU via telephone or by direct communication regarding the status of the item and directs that the component and paper work be picked up from the Work Center.

When the repaired component has been received and copy 1 of the VIDS MAF has been signed by the Supply Screening Unit (SSU), the AMSU personnel handcarry copy 1 of the VIDS MAF to Production Control. The Production Control personnel match copies 1 and 3. If a discrepancy is found, it is reported to the Document Control Unit (DCU) of the Component Control Section (CCS) for correction. If the copies match, they are filed in a temporary file and retained no longer than twenty-four hours.

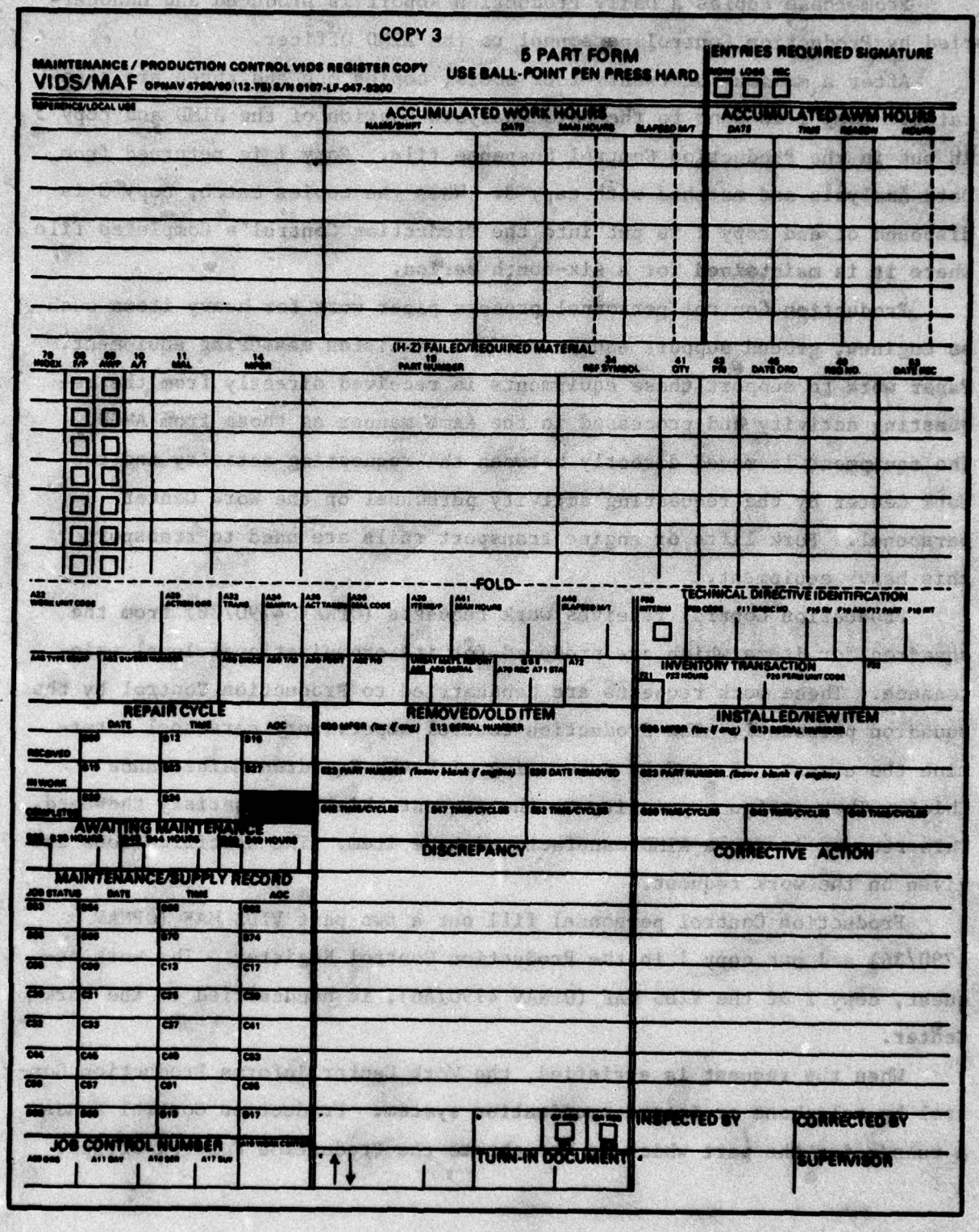


Figure D5 - VIDS MAF

From these copies a Daily Production Report is produced and handcarried by Production Control personnel to the AIMD Officer.

After a maximum of twenty-four hours, copies one and three are separated. Copy 1 is sent to the Data Analysis Section of the AIMD and copy 3 is put in the Production Control Suspense file. Copy 1 is returned from Data Analysis and matched with copy 3. When the copies match, copy 3 is disposed of and copy 1 is put into the Production Control's Completed file where it is maintained for a six-month period.

Production Control personnel process paper work for heavy items such as engines, ground support equipment, and precision measuring equipment. Paper work to support these equipments is received directly from the requesting activity and processed in the same manner as those from AMSU. The equipment is moved directly between the requesting activity and the Work Center by the requesting activity personnel or the Work Center personnel. Fork lifts or engine transport rails are used to transport this heavy equipment.

Production Control receives work requests (OPNAV 4790/36) from the squadron for items which are produced for its organizational level maintenance. These work requests are handcarried to Production Control by the squadron personnel. The Production Control supervisory personnel determine the urgency of need by conversing with the Squadron Maintenance Chief. They assign a priority to the request which will satisfy the need. This request is for a AIMD manufactured type item. The specifications are given on the work request.

Production Control personnel fill out a two part VIDS MAF (OPNAV 4790/36) and put copy 1 in the Production Control Register. The work request, copy 2 of the VIDS MAF (OPNAV 4790/36), is handcarried to the Work Center.

When the request is satisfied, the Work Center informs Production Control by telephone or intercommunication system. Production Control sends a runner for the part which is brought to the Production Control Office.

The squadron is notified by telephone that the part is ready for pickup. A runner from the squadron comes to the Production Control Office where he signs the OPNAV 4790/36 and picks up the part. The OPNAV 4790/36 is filed into the Production Control Holding file.

Inputs

VIDS MAF - (AMSU)

Work Completion Notice - (AIMD Work Center)

Signed VIDS MAF - (SSU)

VIDS MAF (processed) - (Data Analysis)

Work Request - (Material Control)

AIMD manufactured part - (AIMD Work Center)

Assemble Engine Notification - (AEU)

Engine Log Book - (AEU)

Outputs

Component Ready Status - (AMSU)

VIDS MAF Discrepancy - (DCU)

Daily Production Report - (AIMD Officer)

VIDS MAF - (Data Analysis)

Work Request - (AIMD Work Center)

AIMD manufactured part - (Squadron Material Control)

AWP Status - (AMSU)

Assembled Engine Notification - (AEU)

Log Book (Engine BCM - AEU)

Notification-Requested part RFI - (Squadron Material Control)

Activity Number	**AM24**
Activity Name	**Aeronautical Material Screening Unit (AMSU)**
Activity Function	**Screening**

Description

The function of the Aeronautical Material Screening Unit (AMSU) is to screen all material and accompanying paper work entering the Aviation Intermediate Maintenance Department (AIMD). Technical personnel are employed at AMSU. These personnel receive failed or defective components for repair service. The requesting activities are DCU of CCS and the Squadron (Material Control). The defective components are handcarried to AMSU by personnel of the requesting activities via DCU. About 95 percent of these components come from supply activities and about 5 percent from the squadron. Of those from supply activities, about 90 percent will be accompanied by VIDS MAFs (OPNAV 4790/60 5-part copy). Copy 2 of the VIDS MAF is initialed by AMSU personnel and returned to CCS-DCU by supply personnel. About 10 percent of the components will be accompanied by work requests (OPNAV 4790/36). These defective components from a squadron are always accompanied by a work request which includes the original plus two copies. The VIDS MAF (OPNAV 4790/60) is used to request repair for aeronautical material. The work request VIDS MAF (OPNAV 4790/36) is for AIMD to manufacture an item.

The AMSU personnel first check for incoming items to determine whether the defective component is accompanied by the proper and complete paper work. If the paper work is not in order, the requesting activity is notified of the incompleteness and asked to make the proper adjustments. If the paper work is complete, the AMSU personnel check for the component's part number against the Individual Component Repair Listing (ICRL), a computer printout of codes which is kept in the AMSU office. The ICRL provides information on whether AIMD has the capability to repair, check, and test component. When the component's part number is compared to the ICRL, one of two conditions exists:

Condition A: The component's part number is not found on the ICRL. When this condition exists, the AMSU personnel, using the Work Unit Code (WUC) from the accompanying VIDS MAF, check the WUC manual to determine the system to which the component belongs. The WUC manual aids AMSU in determining the Work Center most likely to have the repair capability. AMSU enters the name of that Work Center on the VIDS MAF, fills out two ICRL cards (OPNAV 4790/60) in part, puts one card in his ICRL master deck, assigns a priority, and removes copy 3 of the VIDS MAF for handcarry to Production Control by an AMSU person.

Condition B: If component's part number is found on the ICRL and the list indicates, by capability code, that the repair or check and test capability does not exist within AIMD, the AMSU worker so indicates by making an entry on the VIDS MAF. He completes the VIDS MAF and returns it and the defective component to the DCU by AMSU personnel.

If the component number is found on the ICRL and AIMD has repair capability, AMSU assigns a priority and Work Center to the job and forwards the component and paper work to the appropriate AIMD work center by AMSU personnel. The paper processing is the same as in Condition A.

When defective components are repaired by the Work Center, Production Control notifies AMSU that the repairs are made. The notice is entered on a piece of paper and handcarried to AMSU by Production Control personnel. Then AMSU sends its personnel to the Work Center to pick up the repair components and accompanying paper work which includes copies 1 and 4 of the VIDS MAF. The component and paper work are carried to SSU where copy 1 of the VIDS MAF is signed. The AMSU personnel carry copy 1 to Production Control.

When notified by Production Control that a repair cannot be made because parts are not readily available, the AMSU personnel go to the Work Center, pick up the component and paper work, and carry these to the supply Awaiting Parts (AWP) area. When all parts are received, Production Control notifies AMSU (via telephone), whose personnel go to the supply (AWP) area, pick up the component, paper work, and parts, and handcarry them to the Work Center.

Inputs

Failed Item/VIDS MAF - (DCU or Squadron Material Control)

Repair Completed Message - (Production Control)

AWP Status - (Production Control)

Repaired Component/VIDS MAF - (AIMD Work Center)

VIDS MAF/Failed Item/Required Parts - (AWP)

Failed Item/ExRep VIDS MAF - (ERU)

Failed Item/VIDS MAF - (Rotatable Pool)

Outputs

VIDS MAF (Initial - DCU)

Paper work not in order - (DCU)

VIDS MAF - (Production Control)

Failed Item/Paper work - (AIMD Work Center)

No AIMD capability - (DCU)

Component/Paper work - (AIMD Work Center)

RFI Item/BCM Components/VIDS MAF - (DCU)

VIDS MAF/Failed Item - (AWP)

AWP Item/VIDS MAF/Required Parts - (AIMD Work Center)

Activity Number	AM25
Activity Name	Material Control (AIMD)
Activity Function	Material Acquisition

Description

The principal function of Material Control is to send requisitions (DD1348 or DD1348-6) to SRS-RCU for support, precision measurement, and ordnance equipment. Material Control receives VIDS MAFs (OPNAV 4790/60) and LRFs (Local Requisition Forms) from the Work Center personnel who hand-carry them there. Material Control responds more readily to a VIDS MAF than to a LRF because VIDS MAFs request supply support for a repair job while LRFs request bulk issues (oil, hardware, gaskets, etc.).

Material Control screens the VIDS MAF or LRF for completeness, looks up a stock number from his Stock Number Listing to match the required items, assigns a document number to both the VIDS MAF or LRF and the DD1348, makes an entry in his register and on the VIDS MAF which indicates date and account, and returns all copies of the VIDS MAF or LRF to the Work Center by his personnel.

Material Control handcarries the requisition (DD1348 or DD1348-6) to supply (SRS-RCU), picks up parts RCU) or consumables from supply storeroom, and returns with them and copies of the requisition. The parts or consumables are then sent to the Work Center by AIMD personnel.

Inputs

Item Status (Available/Carried - RAU)
VIDS MAFs/LRFs - (AIMD Work Center)
1348/Issue Items - (Storeroom)
Item Availability Notice - (RAU)
1348/LRF (IPG 1/NC) - (RCU)

Outputs

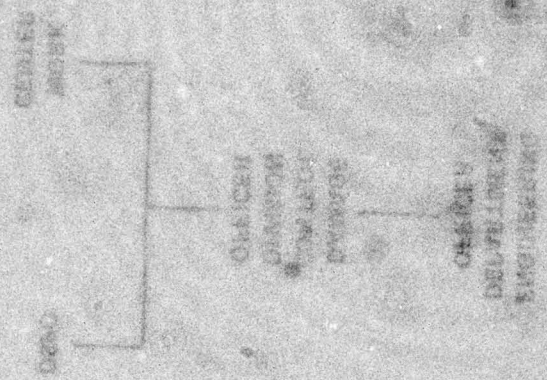
Processed VIDS MAF/LRF - (AIMD Work Center)

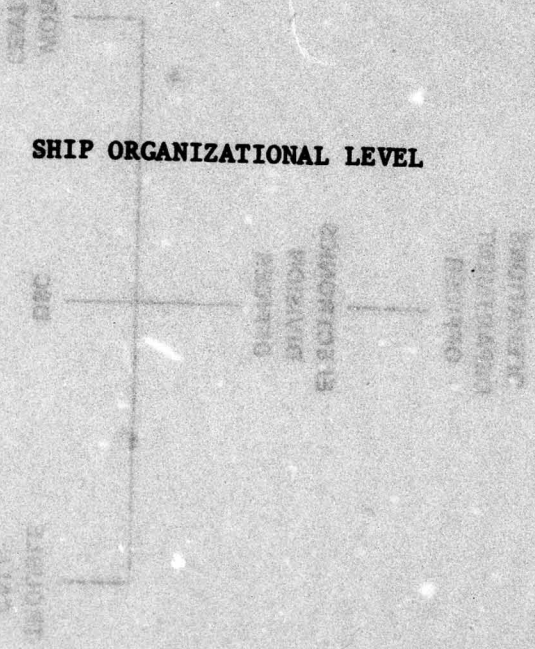
1348/LRF - (RCU)

Components/Parts (consumables - AIMD Work Center)

1348/LRF Receipt Signature - (AEU)

Material/1348-1 - (Shipping Section)





SHIP ORGANIZATIONAL LEVEL



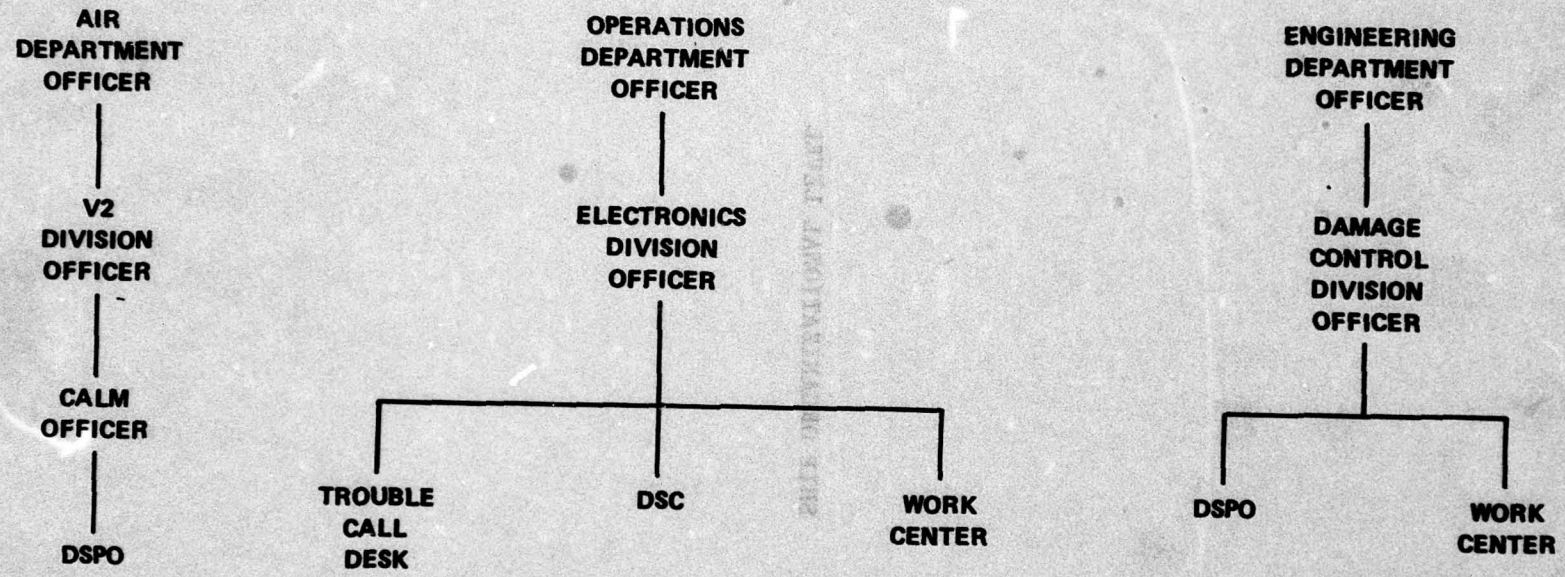
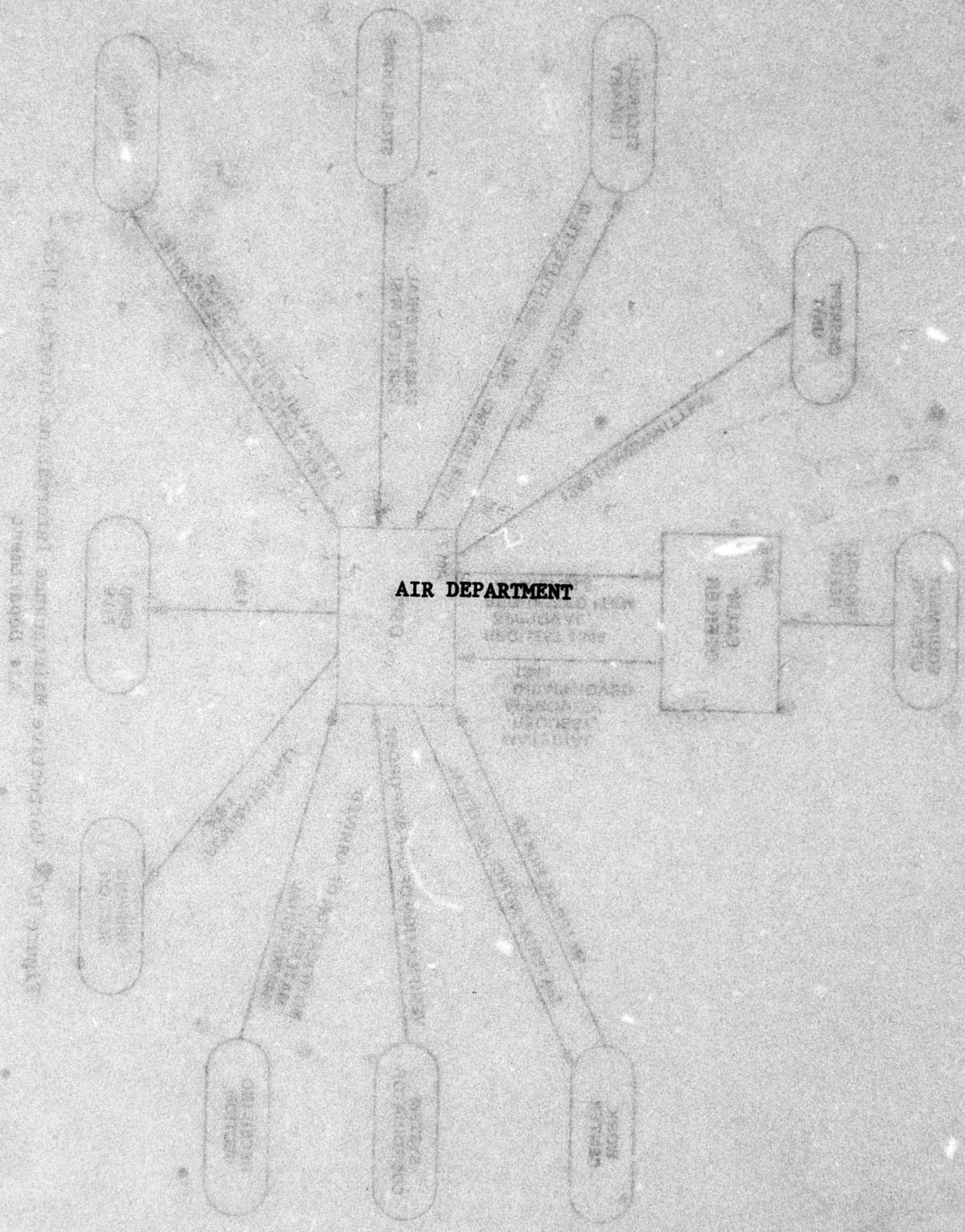


Figure D6 - Ship Departments Organizational Structure


AIR DEPARTMENT

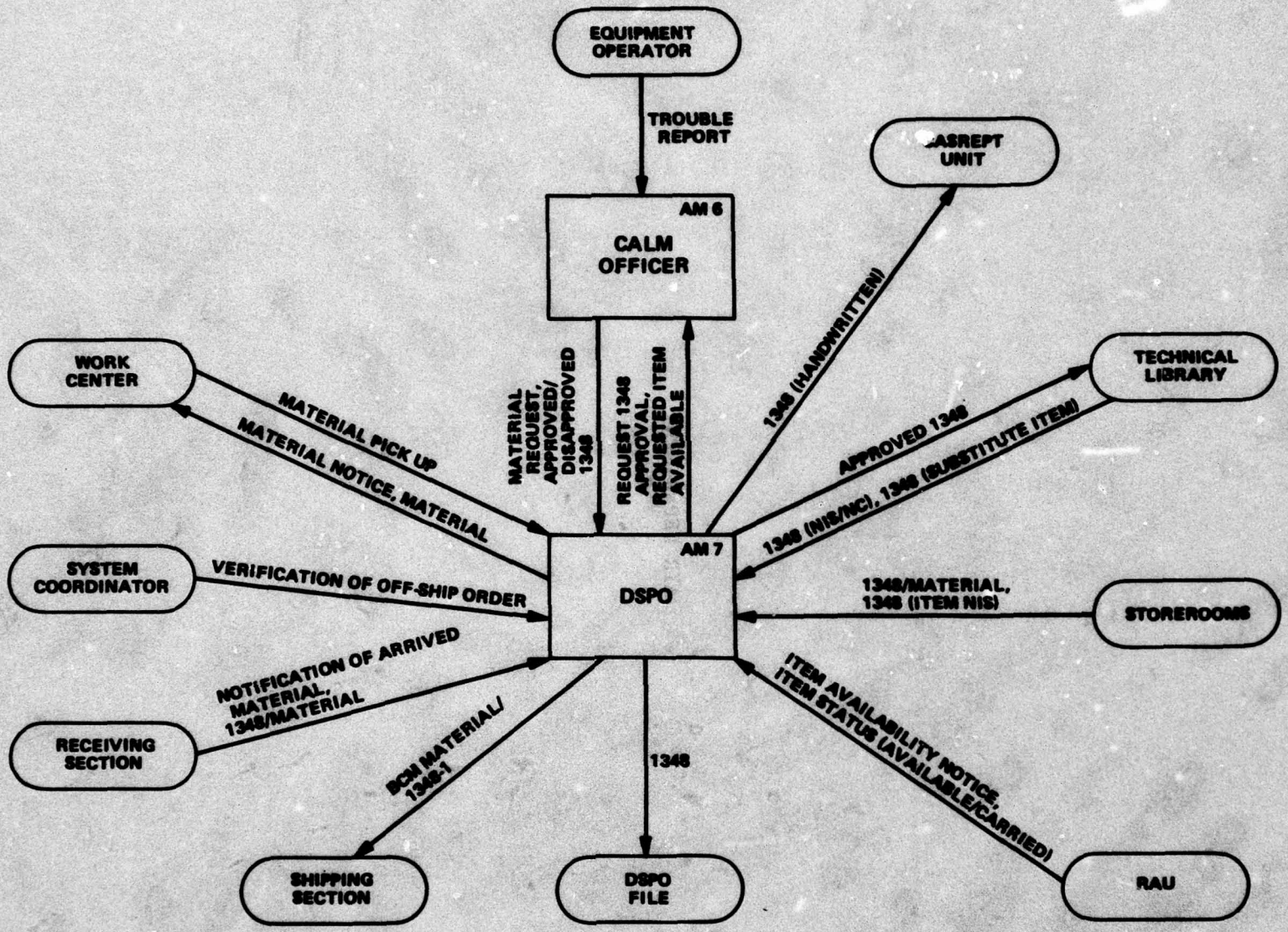


Figure D7 - Corrective Maintenance Information Material Flow - Air Department

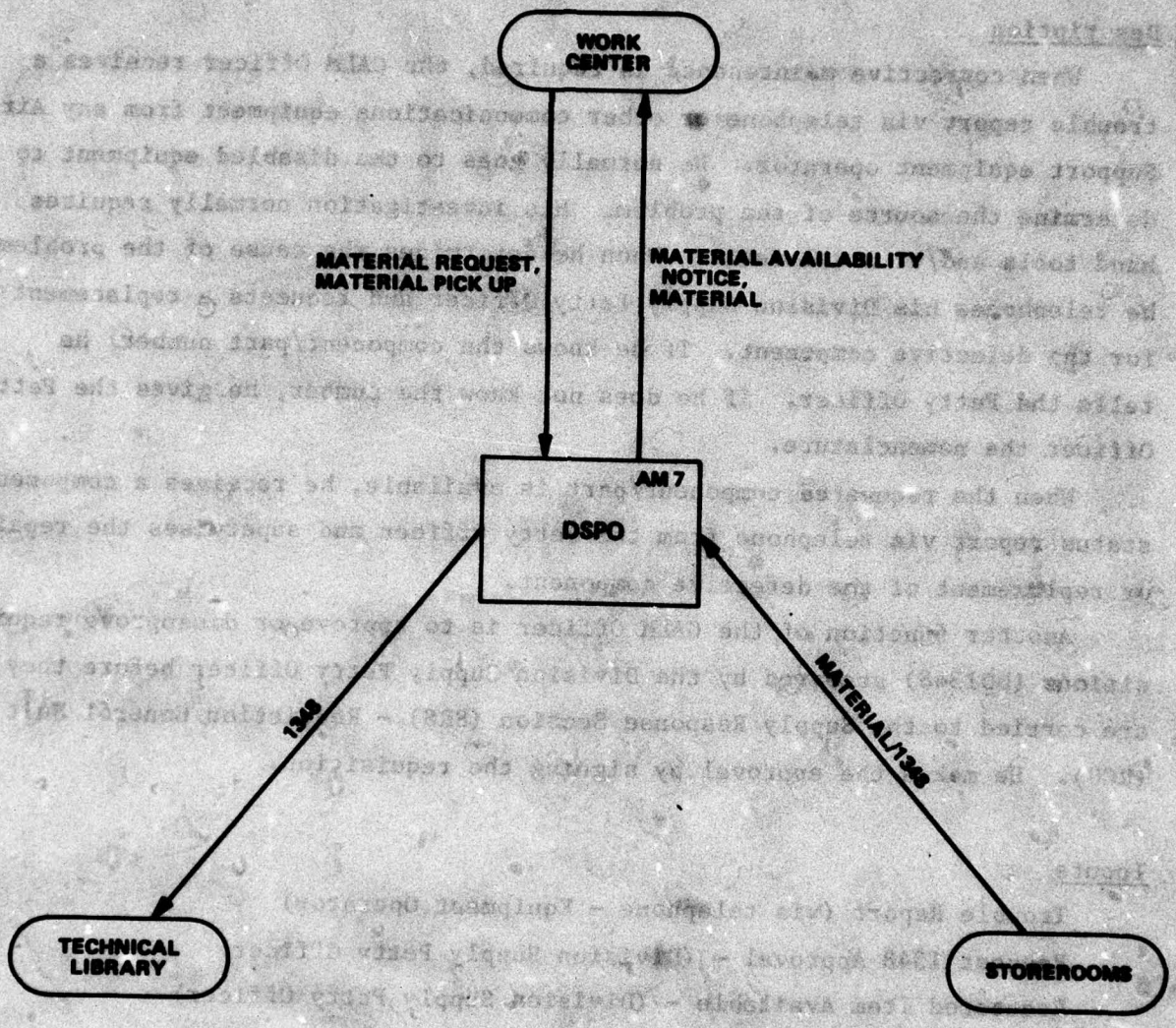


Figure D8 - Planned Maintenance Information Material Flow - Air Department

Activity Number	AM26
Activity Name	Catapult Arresting Gear Landing Aids Maintenance (CALM) Officer
Activity Function	Diagnostic-Repair Supervision

Description

When corrective maintenance is required, the CALM Officer receives a trouble report via telephone or other communications equipment from any Air Support equipment operator. He normally goes to the disabled equipment to determine the source of the problem. His investigation normally requires hand tools and/or a voltmeter. When he determines the cause of the problem, he telephones his Division Supply Petty Officer and requests a replacement for the defective component. If he knows the component/part number, he tells the Petty Officer. If he does not know the number, he gives the Petty Officer the nomenclature.

When the requested component/part is available, he receives a component status report via telephone from the Petty Officer and supervises the repair or replacement of the defective component.

Another function of the CALM Officer is to approve or disapprove requisitions (DD1348) prepared by the Division Supply Petty Officer before they are carried to the Supply Response Section (SRS) - Requistion Control Unit (RCU). He makes the approval by signing the requisition.

Inputs

Trouble Report (via telephone - Equipment Operator)
Request 1348 Approval - (Division Supply Petty Officer)
Requested Item Available - (Division Supply Petty Officer)

Outputs

Material Request - (DSPO)
Approved/Disapproved 1348 - (DSPO)

Activity Number	AM27
Activity Name	Division Supply Petty Officer
Activity Function	Material Acquisition

Description

The Division Supply Petty Officer (DSPO) receives requests for consumables, components, or parts from the CALM Officer and the Work Center. If the requestor does not give the component/part number, the Petty Officer looks it up in the Illustrated Parts Breakdown (IPB) which is kept in his office. When the number is found, he uses his parts Microfiche file to determine whether other parts can be substituted for the requested one. This information is used if the originally requested item is not available in the Ship Supply Storeroom. He then fills out a requisition (DD1348) for the requested item and handcarries it to the CALM Officer for approval. After approval, the requisition is handcarried by the DSPO or one of his staff members to the Technical Library where the price and and the storeroom location of the item, if carried, are entered. Then the DSPO carries the requisition to the designated storeroom and gives it to the storekeeper who issues the item(s) and returns copies of the requisition to him.

If the item is not in the storeroom, the storekeeper removes one copy (pink copy) of the DD1348, gives it to the DSPO, and keeps the remaining copies for off-ship ordering. The copies are sent to Stock Control (System Coordinator) who does the off-ship ordering and sends a verification (green copy, DD1348) of the order to the DSPO. When the item arrives, the Receiving Section personnel notify the DSPO who goes to Receiving and secures the item. The DSPO notifies the Work Center personnel that the requested items are available in his office. The Work Center personnel pick up the items. The Petty Officer's function is basically the same for planned and corrective maintenance.

Inputs

1348 (Substitute Item - Technical Library)

Material Request - (CALM Officer or Work Center)

Approved/Disapproved 1348 - (CALM Officer)

1348/Material - (Storeroom)

1348-1/1348 (typed - PES)

Material Pickup - (Work Center)

Verification of Off-ship order - (System Coordinator)

Notification of Arrived Material - (Receiving)

Material/1348-1 - (Receiving)

1348 (Item NIS - Storeroom)

Item Availability Notice - (RAU)

Item Status - (Available/Carried - RAU)

1348 (NIS/NC) - (Technical Library)

Outputs

Request 1348 Approval - (CALM Officer)

Requested Item Available - (CALM Officer)

Approved 1348 - (Technical Library)

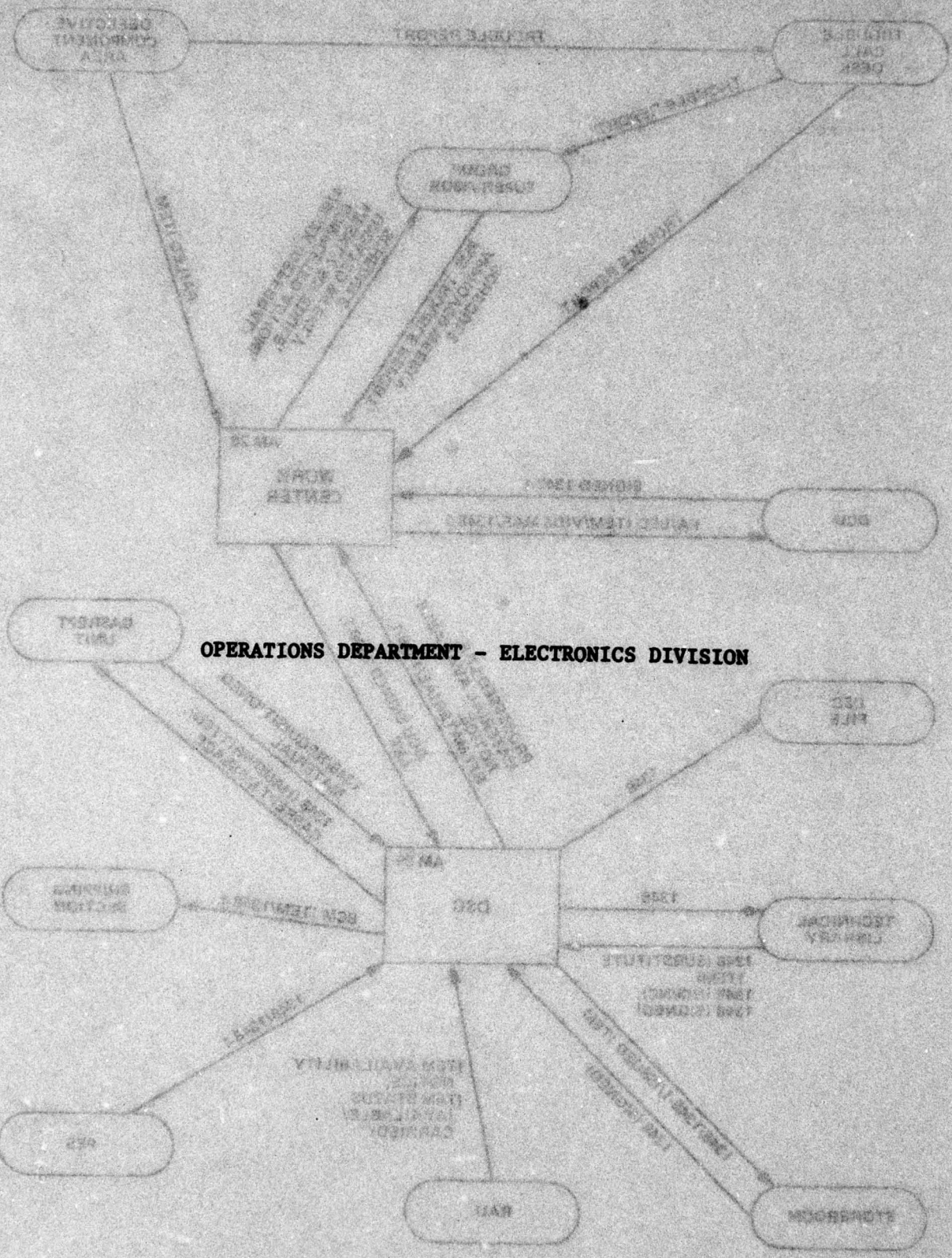
Material Notice - (Work Center)

Material - (Work Center)

1348 - (DSPO File)

1348 (handwritten - CASREPT Unit)

BCM Material/1348-1 - (Shipping Section)



OPERATIONS DEPARTMENT - ELECTRONICS DIVISION

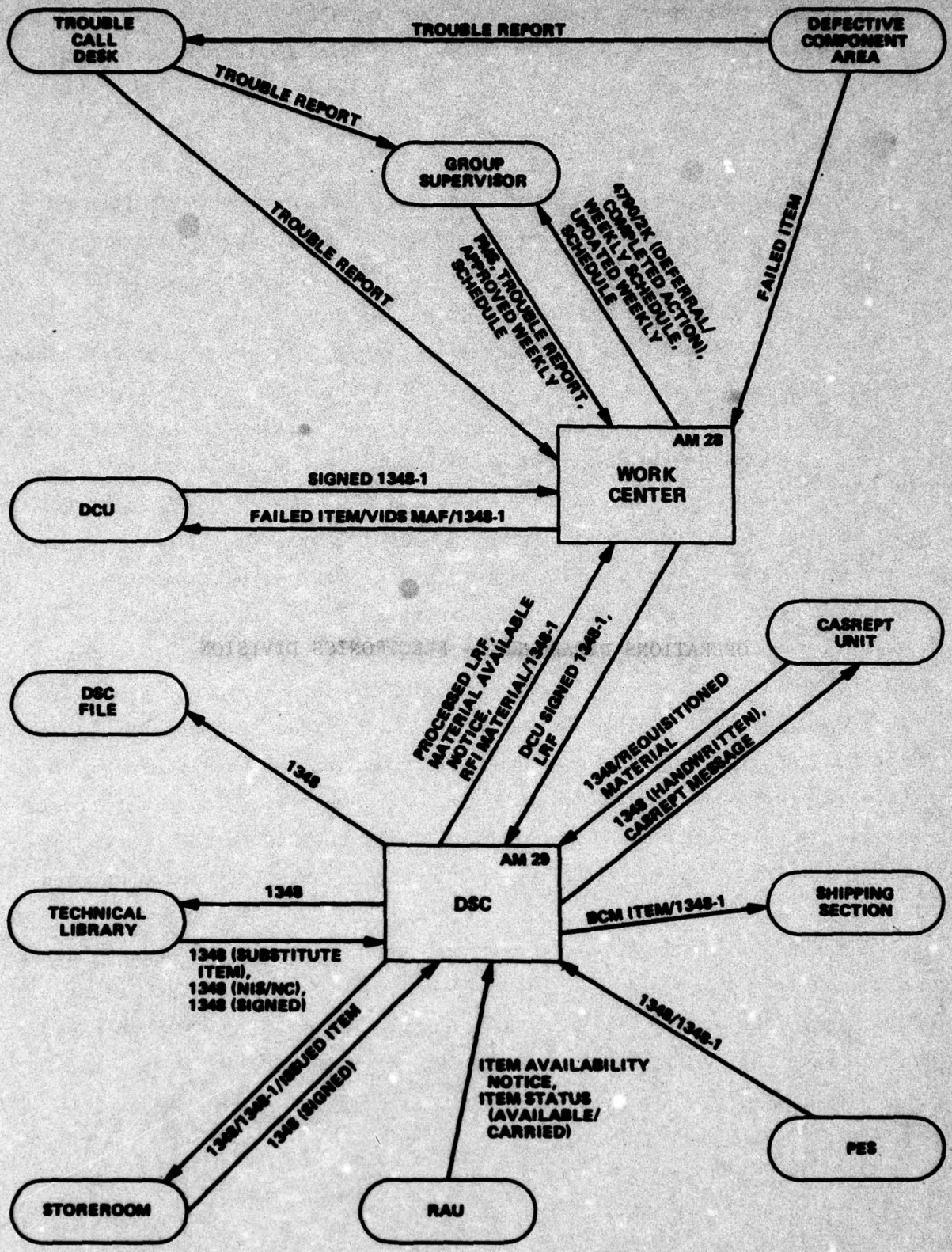


Figure D9 - Maintenance Information Material Flow - Electronics

Activity Number	**AM28**
Activity Name	**Work Center (Electronics)**
Activity Function	**Service and Repair**

Description

Planned Maintenance - The Work Center Supervisor receives a Planned Maintenance Schedule from his Group Supervisor. It includes maintenance that is required annually, semi-annually, quarterly, monthly, or weekly with priorities preassigned by the Division Officer.

From this schedule, the Work Center Supervisor prepares a Weekly Schedule each week and gives it to his Group Supervisor, who is in charge of all Work Centers, for review and approval. After the Weekly Schedule has been approved, the Work Center Supervisor assigns the technicians to the jobs.

After assignment, the technician reviews the Maintenance Requirement Cards (MRCs), which are kept in the Work Center, to determine the procedure and tools required for the job. He goes to the job and performs the maintenance in accordance with the instructions given on the MRCs.

If additional material (consumables, parts, etc.) is required, the technician fills out a supply action form. This form is called a Local Ship Requisition Form (LRF). He handcarries it to the Division Supply Coordinator (DSC) who requisitions Material from the Technical Library. The Work Center personnel are notified by the Division Supply Coordinator, via telephone, when the material is available. The technician goes to the Division Supply Coordinator's officer, picks up the material, and completes his job.

When the job is completed, the technician tests the component to determine whether it is satisfactory. He reports to his supervisor that the job has been completed. His supervisor puts an entry on the schedule to indicate that the requirement is satisfied.

If the requirement is not satisfactory, the technician informs his supervisor who enters a nonsatisfactory entry mark on the schedule. The technician fills out an OPNAV 4790/2K (2K) form (Deferral Action) and hand-carries it to the Group Supervisor for approval.

An entry is made on the schedule for jobs that could not be handled within the specified time. These jobs are rescheduled for another time. For these jobs, the Group Supervisor confers with the technicians to determine the reasons maintenance was not done. The reasons are put in the remarks part on the schedule. Some jobs can be and are completed prior to their scheduled time.

When the Work Center Supervisor updates the schedule, he carries it to the Group Supervisor for review. After review, the Group Supervisor carries it to the Division Officer for review.

Corrective Maintenance - The Work Center receives trouble reports (via telephone) directly from the Trouble Call Desk or through the Group Supervisor. The information is logged into the Work Center's Trouble-Call Log. If the report is received directly from the Trouble Call Desk, the Work Center personnel notify the Group Supervisor of the report.

The Group Supervisor directs the job to the appropriate Work Center. The Work Center Supervisor reviews the report and assigns a technician to the job. The jobs are normally done by first in, first served. However, some jobs are assigned priorities by the Division Officer or Group Supervisor and require maintenance according to the assigned priority.

The technician collects all required equipment and goes to the failed item to perform trouble shooting. When the trouble is isolated, the failed item is replaced and is handcarried by the technician to his work bench. There it is repaired and put away as a spare item.

If the repair can be made on-the-spot, it is made. If a spare item is not available to replace the failed one, the failed item is handcarried by the technician to the Work Center for repair and, after repair, is returned to its system. If parts are required to repair a failed item, the part ordering procedure is the same as that for planned maintenance.

All even numbered COG items are turn-in items. All others are thrown away. When the Work Center technician picks up a new turn-in part from his Division Supply Coordinator, he also gets a turn-in form (DD 1348-1). The technician takes the old item and the turn-in form (after completion) to the Document Control Unit (DCU). The form is signed by DCU personnel of the Component Control Section (CCS) and a copy is returned to the technician, who returns it to his Division Supply Coordinator.

When a repair is completed, the technician fills out an OPNAV 4790/2K form (completed action) and gives it to his supervisor who reviews it for completeness. Then the technician handcarries it to the Group Supervisor for review and signature. When the technician is unable to make the repair, he fills out an OPNAV 4790/2K form (deferral action) which the Work Center Supervisor reviews. The technician handcarries the form to the Group Supervisor for review signature.

Inputs

PMS - (Group Supervisor)
Approved Weekly Schedules - (Group Supervisor)
RFI Material - (Division Supply Coordinator)
Material Availability Notice - (Division Supply Coordinator)
Processed LRF - (Division Supply Coordinator)
Trouble Report - (Trouble Desk or via Group Supervisor)
Failed Item - (Defective Component Area)
1348-1 (Turn-in form - Division Supply Coordinator)

Outputs

Weekly Schedule - (Group Supervisor)
Updated Weekly Schedule - (Group Supervisor)
LRF - (Division Supply Coordinator)
4790/2K Deferral/Completed Action - (Group Supervisor)
VIDS MAF/Failed Item/1348-1 - (DCU)
DCU Signed 1348-1, LRF - (Division Supply Coordinator)

Activity Number	**AM29**
Activity Name	**Division Supply Coordinator (Electronics)**
Activity Function	**Material Acquisition**

Description

The Division Supply Coordinator (DSC) is a designated member of the Electronics Division whose principal function is to coordinate and assist with the flow of material and associate paper work between the Work Centers and the Ship's Supply Department Activities, as required.

The DSC receives requisitions on local forms from the Work Center technician. From the information on a local requisition form, he fills out a DD1348 (multi-copies). He also enters the Julian Date and requisition number on the local form which he puts in a mail box for the Work Center technician. The DSC handcarries the DD1348 to the Supply Technical Library where the requisition is processed. The Technical Library personnel put the price of the item and the storeroom location on the requisition and return it to the DSC storekeeper who carries it to the designated storeroom. At the storeroom or pool, the storeroom storekeeper signs the DD 1348, removes the first copy and returns the remaining copies and the material to DSC. The DSC storekeeper picks up the remaining DD1348 copies, the turn-in form for turn-in items, and issued material, and handcarries them to his office. He enters the action taken and a copy of the DD1348 into his file. DSC telephones the Work Center Supervisor that the material is available in his office. He gives the material and turn-in form (if the old item is to be turned in) to the Work Center runner.

Inputs

Item Availability Notice - (RAU)
Item Status (available/carried) - (RAU)
1348-1/1348/Issued Item - (Storeroom)

Inputs

LRF - (Work Center)

DCU Signed 1348-1 - (Work Center)

1348/Requisitioned Material - (CASREPT Unit)

1348 Signed/1348 (Substitute Item) - (Technical Library)

1348/1348-1 - (PES)

1348 (NIS/NC) - (Technical Library)

Outputs

1348 - (Technical Library)

Processed LRF - (Work Center)

Material available notice - (Electronics Work Center)

1348 - (DSC File)

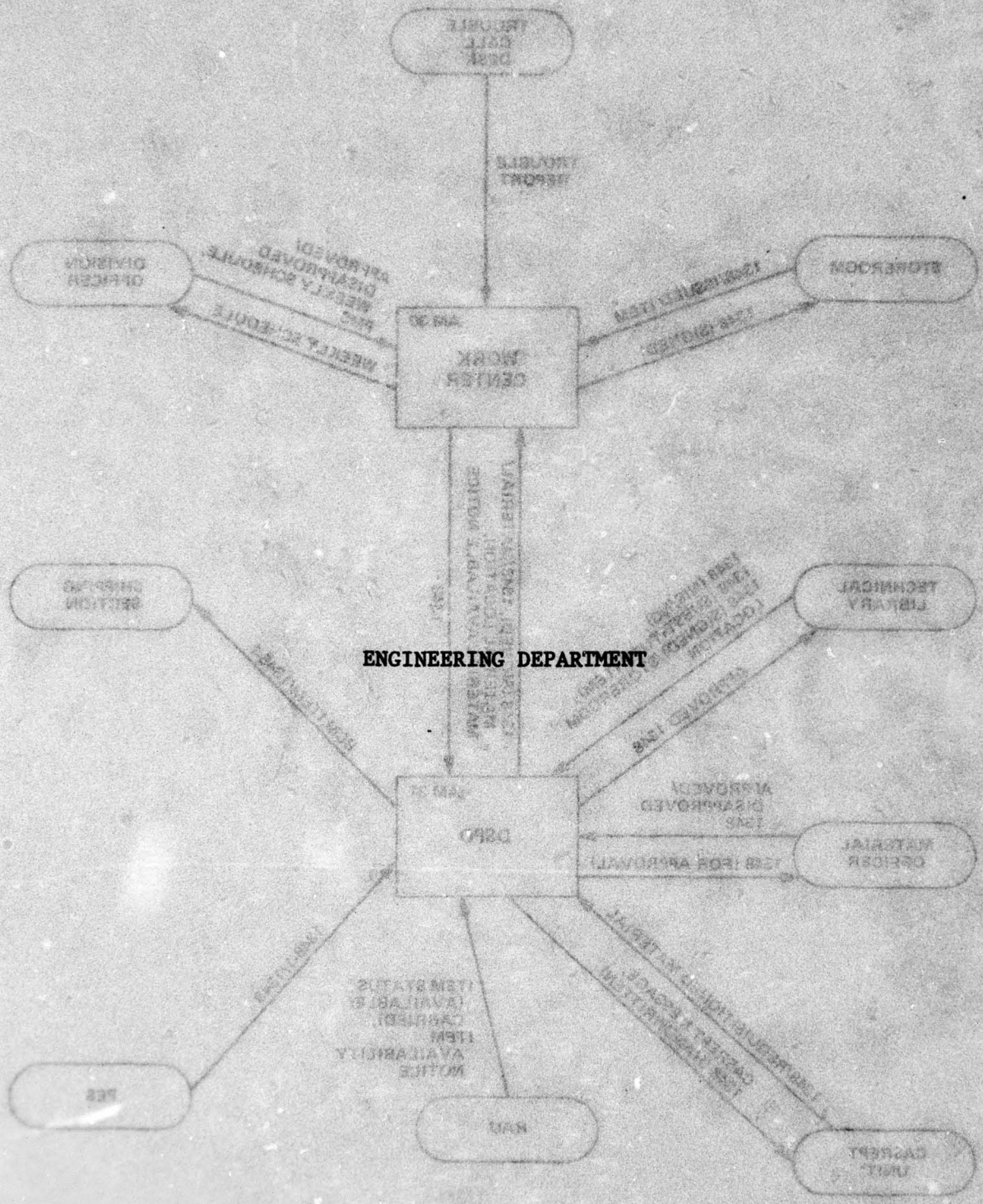
RFI Material/1348-1 - (Work Center)

1348 (Handwritten) - (CASREPT Unit)

CASREPT Message - (CASREPT Unit)

BCM Item/1348-1 - (Shipping Section)

1348 (Signed) - (Storeroom)


ENGINEERING DEPARTMENT

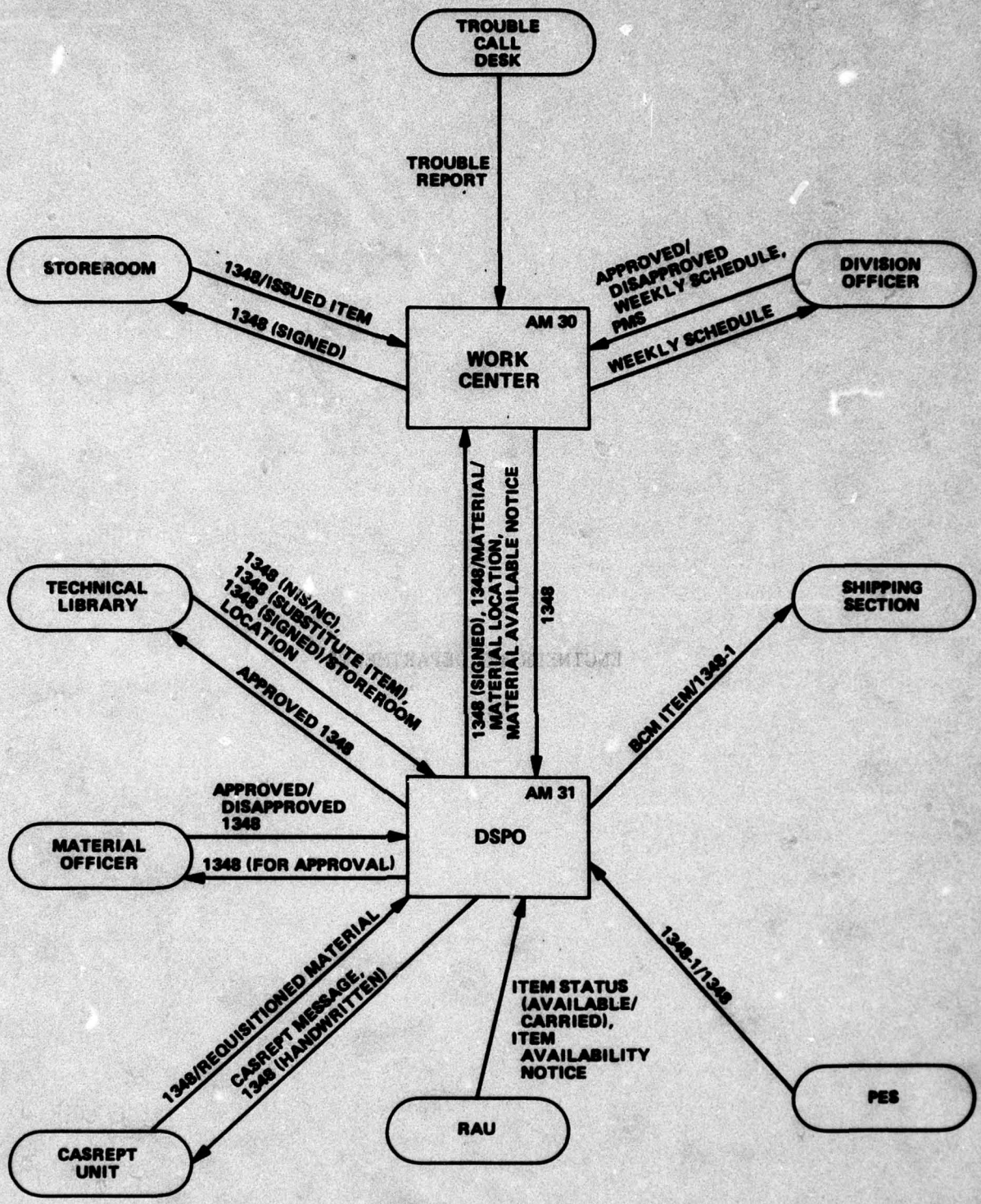


Figure D10 - Maintenance Information Material Flow - Engineering

Activity Number	**AM30**
Activity Name	**Work Center (Engineering)**
Activity Function	**Service and Repair**

Description

Planned Maintenance - The Work Center Supervisor receives a Cyclic/ Quarterly Planned Maintenance Schedule from his Division Officer. This schedule contains maintenance actions which are to be done annually, semi-annually, quarterly, and monthly. From this schedule the Work Center Supervisor prepares Weekly Schedules which require the Division Officer's approval.

When the Weekly Schedule is approved by the Division Officer, the Work Center Supervisor assigns his technicians to the jobs according to their expertise. The technician reviews a Maintenance Requirement Card (MRC) deck which is applicable to his job assignment. The MRC deck, which is kept in the Work Center, provides the technician with step-by-step maintenance procedures and names the tools needed to do the job. He goes to the equipment area with the required tools. Following the outlined maintenance procedure, the technician does the job.

If the technician finds that he needs material which is not within the Work Center to complete his job, he reports this to his supervisor. The Work Center Supervisor authorizes a designated staff member to partially fill out a 1348 (requisition). This staff member handcarries the 1348 to the Division Supply Petty Officer who completes it and secures the material.

When the material is available, the Work Center Supervisor receives from the Division Supply Petty Officer a copy of the 1348 form which has been signed by a Technical Library storekeeper and includes the storeroom location. The supervisor sends one of his personnel with the DD1348 copy to the designated storeroom for the material.

When the maintenance requirement is satisfied, the technician puts a completed entry mark on the Weekly Schedule. At the end of a weekly period, the supervisor logs the information from his weekly schedule into this Accomplishment Log. Then he updates the Monthly Schedule from the Weekly, and handcarries the Weekly Schedule with completion entries to the Division Officer.

Corrective Maintenance - The Work Center Supervisor receives a trouble report via telephone from the Trouble Call Desk. He follows basically the same procedures as in planned maintenance. However, when parts are required, the DD1348 form is sent directly to the Division Supply Petty Officer or, indirectly, via the Material Officer. The Work Center personnel receive parts in one of two ways: (1) directly from the Supply Storeroom or a predesignated location, after being notified by the Division Supply Petty Officer, or (2) via the Petty Officer who has obtained parts from the Supply Storeroom.

Inputs

Planned Maintenance Schedule - (Division Officer)
Material available notice - (Division Supply Petty Officer)
1348/Issued Item - (Storeroom)
Material/Material Location/1348 - (Division Supply Petty Officer)
Trouble report - (Trouble Call Desk)
1348 (Signed) - (Division Supply Petty Officer)
Approved/Disapproved Weekly Schedule - (Division Officer)

Outputs

Weekly Schedule - (Division Officer)
1348 - (Division Supply Petty Officer)
1348 (Signed - Storeroom)

Activity Number	AM31
Activity Name	Division Supply Petty Officer (Engineering)
Activity Function	Material Acquisition

Description

The Division Supply Petty Officer (DSPO) receives a partially filled out DD1348 form (requisition) from the Work Center. He adds a Document Number from the Operating Target (OPTAR) Log which is kept in his office. He logs the DD1348 information into his OPTAR book, estimates the cost of material, and specifies the appropriate account to which the material should be charged. Then he handcarries the DD1348 form to his Material Officer for approval.

When the requisition is approved by the Material Officer, the Petty Officer handcarries it to Stock Control (Technical Library) where the requisition is signed and material is ordered by the storekeeper (if it is not carried on board). If carried, the exact cost of material is entered on the requisition form, and the completed requisition form is returned with the designated storeroom location. At the designated storeroom, the storekeeper signs the requisition and issues material to the Division Supply Petty Officer, who returns to his office with copies of the requisition and material or material location (storeroom number). He records the exact cost of material in his OPTAR Log book. Then the DSPO calls (telephones) the Work Center so that the technician can obtain material from his office. If the material is not available in his office, the DSPO accompanies the technician to the storeroom to secure the material. He keeps records of the requisitions and uses them to check against his OPTAR Log.

Inputs

Item Availability Notice - (RAU)

Item Status (Available/Carried) - (RAU)

Inputs

1348 (Signed)/Storeroom Location - (Technical Library)

1348 - (Work Center)

1348 (substitute item - Technical Library)

Approved/Disapproved DD1348 - (Material Officer)

1348/Issued Item - (Storeroom)

1348/Requisitioned Material - (CASREPT Unit)

1348 (NIS/NC - Technical Library)

1348-1/1348 - (PES)

Outputs

1348 (for approval - Material Officer)

Approved 1348 - (Technical Library)

1348 (signed - Storeroom)

Material Availability Notice - (Work Center)

Material/Material Location/1348 - (Work Center)

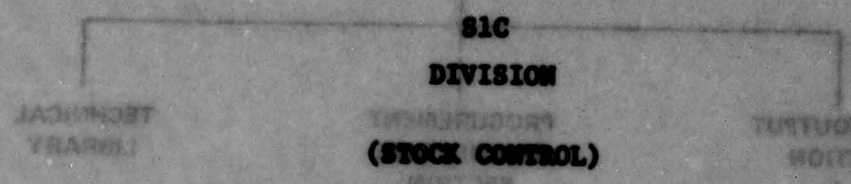
1348 (Signed - Work Center)

CASREPT Message - (CASREPT Unit)

1348 (handwritten - CASREPT Unit)

BCM Item/1348-1 - (Shipping Section)

B. SUPPLY


SIC
DIVISION
(STOCK CONTROL)

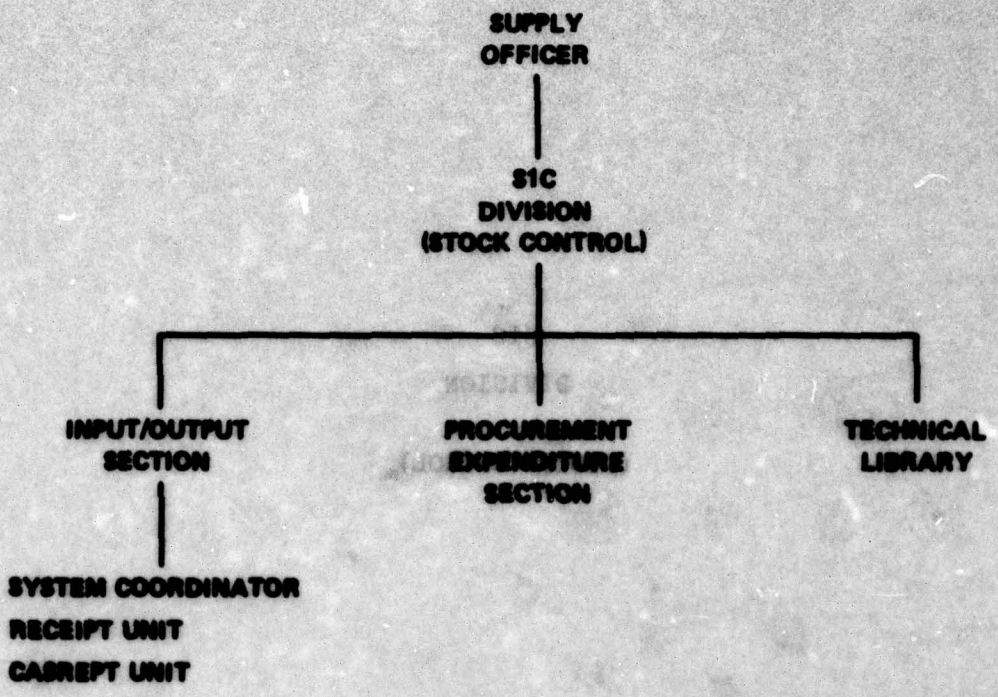


Figure D11 - S1C Organizational Structure

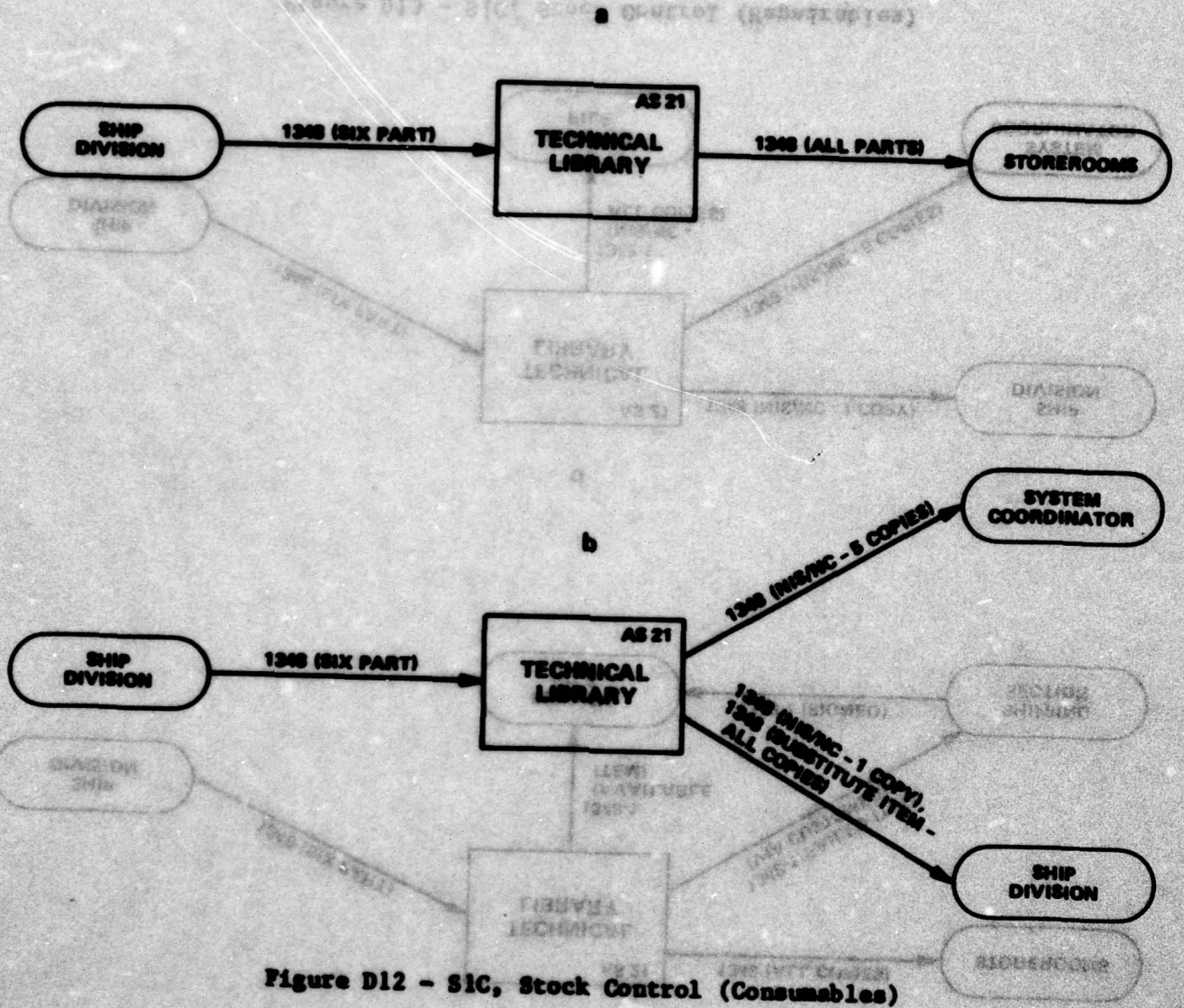


Figure D12 - S1C, Stock Control (Consumables)

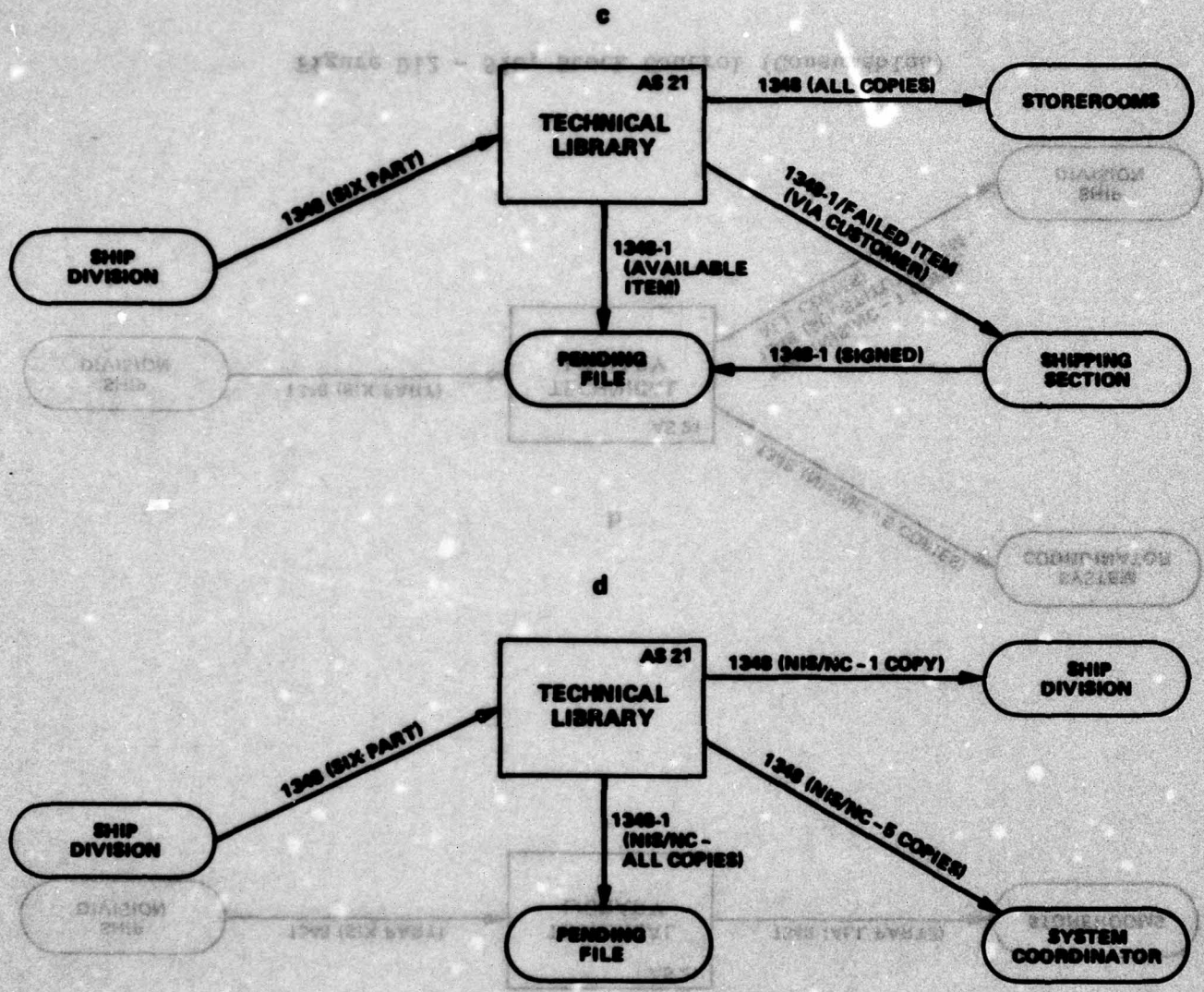


Figure D13 - S1C, Stock Control (Repairables)

Activity Number	AS21
Activity Name	Technical Library (Consumables/Repairables) Section
Activity Function	Check/Validate/Substitute

Description

Consumables - (a) Ship requisitions are introduced to the Technical Library via a handcarried ship division "supply runner" 1348 six-part document. This document must include the JCN, EIC document number, stock number, quantity desired, unit of issue, and unit price and be signed by the Division Officer. The storekeeper who receives the document checks its data against the SSSL/MSSL for availability/location of item and verification of unit of issue, quantity, and unit price. If the item is found to be carried, available, and a consumable, the storekeeper (SK) initials the 1348 and returns the 1348 (all copies) to the ship division SK who goes to the appropriate storeroom to request the issue.

(b) If the consumable is not in stock (NIS) or not carried (NC), the Technical Library storekeeper checks for a substitute item. He researches the Illustrated List (part characterstics) and the FILDR (Federal Item Logistics Data Record File - part characteristics and specifications on microfiche). If a substitute is not found, he returns 1 copy of the 1348 to the customer SK for his division and delivers the other 5 copies to Stock Control's System Coordinator. If a substitute is found, it is checked against the NMDL (Navy Management Data List) to determine if it is carried by the Navy. If it is carried, all copies of the 1348 (indicating the substitution) are retrieved by the customer SK for his division's review. If the substitute is found to be acceptable by the ship division, the customer SK returns with the 1348 and has it processed as in (a).

Repairables - (c) The process procedures are the same as indicated in (a) until the requested item is determined to be a repairable (by researching the MSSL). If the item is determined to be available on the ship, a 1348-1 is prepared. The customer SK is given both documents (1348 and

1348-1). The customer SK takes the 1348 to the storeroom for issue of the desired item and takes the 1348-1 and the failed item to the Shipping Section. The MRIL (Master Repairable Item List) on microfiche is used to determine the DOP (location of depot) where the failed item is to be sent for repair. A copy of the 1348-1 is retained in the Pending File by the Technical Library SK. After the customer SK delivers the 1348-1 and failed item to shipping, the shipping storekeeper signs the 1348-1 and sends a copy back to Technical Library (Pending File).

(d) If the item is found to be NIS/NC, the stock number is checked on the NMDL (on microfiche) to determine whether it is repairable. If it is, one copy of the 1348 is returned to the ship division via the customer SK. The Technical Library storekeeper brings the other 5 copies to the System Coordinator (to requisition the item off-ship) and files all copies of the 1348-1 prepared by the storekeeper of the Technical Library Section for the Pending File until a replacement for the failed item is received from off-ship. The failed item, along with the copy of the 1348-1 (Pending File), is then turned over to the SIM Shipping Section and handled the same as an issue.

Inputs

1348 (Six-Part - Ship Division)

1348-1 (Signed, proof-of-turn-in - Shipping Section)

Outputs

1348 (all copies - Storeroom)

1348 (NIS/NC-5 copies - System Coordinator)

1348 (NIS/NC-1 copy - Ship Division)

1348 (Substitute Item - all copies - Ship Division)

1348-1 (Available Item - Pending File)

1348-1/Failed Item (via customer - Shipping Section)

1348-1 (NIS/NC - All Copies - Pending File)

1348 (Signed)/Storeroom location - (Ship Division)

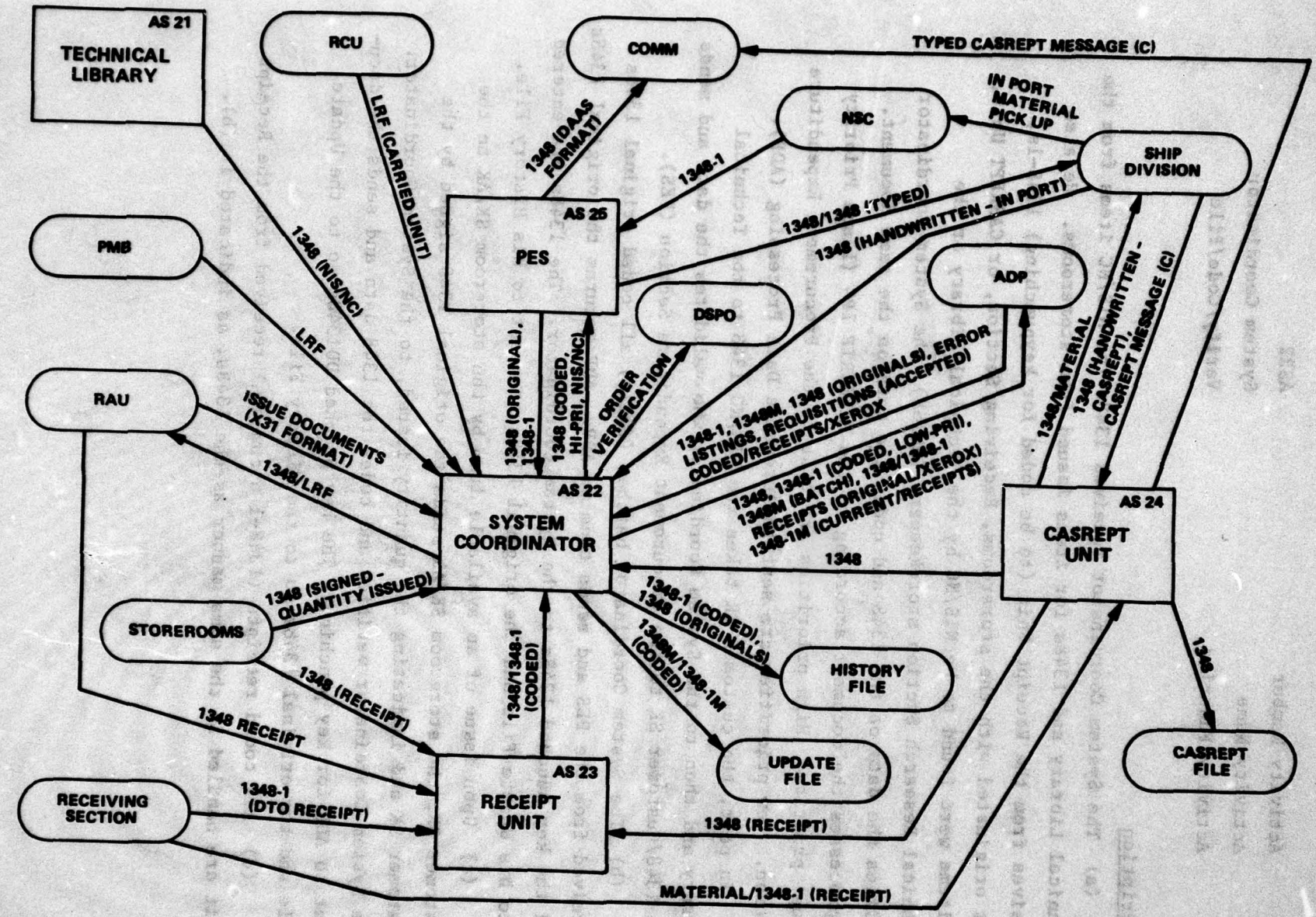


Figure D14 - SIC Coordination

AD-A062 352 DAVID W TAYLOR NAVAL SHIP RESEARCH AND DEVELOPMENT CE--ETC F/G 13/10
AFLOAT INFORMATION AND MATERIAL MOVEMENT STUDY (AIMMS). PHASE I--ETC(U)
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Activity Number	AS22
Activity Name	System Coordinator
Activity Function	Verify/Code/File

Description

(a) The System Coordinator receives 1348s for NIS/NC items from the Technical Library and 1348s for items issued from storerooms. He also receives from the Receipt Unit (to be coded for keypunching) 1348-1s, that originated with the storerooms, Receiving Section, or CASREPT Unit. If items were found to be NIS/NC by the Technical Library or the Technical Research Section storekeepers (AK/SK), the System Coordinator verifies the data on the 1348 and codes the data on the same document. He processes the document according to the MILSTRIP IPG (Issue Priority Group) priority. High priorities are sent to the Procurement Expenditure Section. Low priorities are sent to Automatic Data Processing (ADP).

In port, the customer SK takes the NIS/NC 1348 to the Technical Library and then to the System Coordinator who validates the data and sends the 1348/Customer SK to the Procurement Expenditure Section (PES).

(b) The System Coordinator batches (daily) all coded original 1348s received from the PES and sends them to ADP. ADP returns the original 1348s and the key punched 1348s to the System Coordinator. The 1348s are entered into his Update File and the original 1348s are sent to his History File.

(c) Upon issue of an available item by the storeroom SK/AK to the customer SK, the storeroom SK/AK sends the original 1348 signed by the customer SK and indicating the quantity issued, to the System Coordinator. The System Coordinator verifies and codes the 1348 data and sends the document to ADP for key punching. The key punched DD1348s go to the Update File and the original 1348s go to the History File.

(d) All coded receipts (1348-1 documents) received from the Receipt Unit are handled in the same manner as the 1348s, as indicated in (b).

Inputs

1348 Low Priority (coded), 1348-1 (coded) - (ADP)

Requisition (accepted/error listings) - ADP

1348 (NIS/NC) - (Technical Library)

LRF - (PMB)

1348/1348-1, coded - (Receipt Unit)

1348M/1348-1 Current/Receipt Requisitions, 1348/1348-1 Receipts (original/xerox) - (ADP)

1348 Current Issue Document (X31 Format) - (RAU)

Original Receipt/Requisitions - (ADP)

1348 (signed) quantities issued - (Storerooms)

1348-1/1348 (original copy) - (PES)

1348/LRF (carried item) - (RCU)

1348 - (CASREPT Unit)

Outputs

1348 (coded) NIS/NC - high priority (Procurement Expenditure Section (PES))

1348 (coded) - lower priority/1348-1 (coded) - (ADP)

1348M batched/1348-1M Current/Receipt Requisitions - (ADP)

1348M/1348-1M, coded - (Update File)

1348 Original/1348-1, coded - (History File)

1348/LRF - (RAU)

1348/1348-1 Receipts (original and xerox) - (ADP)

Order Verification - (DSPO)

Activity Number	**AS23**
Activity Name	**Receipt Unit**
Activity Function	**Code**

Description

The Receipt Unit storekeeper is sent copies of receipts (1348s) for items issued from storerooms and copies of 1348-1s (receipts) for items coming into the Receiving Section (DTOs). The Receipt Unit SK codes the 1348s and 1348-1s and delivers them to the System Coordinator.

Inputs

1348-1 DTO Receipt - (Receiving Section)

1348-1 Receipt - (CASREPT Unit)

1348 Receipt - (RAU)

Output

1348-1/1348, coded - (System Coordinator)

Activity Number	AS24
Activity Name	CASREPT Unit
Activity Function	Validate, Message Preparation, File

Description

If the Technical Library finds that an item is NIS/NC and the Ship Division requires it to be CASREPT, the customer SK fills out a CASREPT message at his activity (Ship Division), has it signed by his Division Officer (Confidential CASREPT Message), and brings it to the CASREPT Unit accompanied by a handwritten 1348. The CASREPT Unit SK validates the message and properly completes the document. He assigns a CASREPT document number (W series) to the 1348 in place of the Division's document number and places a Division document number in the Supplemental File on the 1348. The SK types the CASREPT message from the 1348 data and assigns the Julian Date and the CASREPT number to the message. These actions produce:

- Handwritten 1348 (CASREPT from Ship Division)
- CASREPT Message (Confidential - Ship Division)
- Typed CASREPT Confidential Message (prepared by the CASREPT Unit SK)

The CASREPT SK telephones the customer to pick up the typed CASREPT Confidential Message for delivery to Communications. The 1348 remains with the CASREPT Unit SK in his file.

The original 1348 is distributed as follows:

- Hard Copy - System Coordinator - Key Punch
- Green Copy - Ship Division
- Remaining copies are filed in CASREPT folder (until requisition is received from off-ship and then it is treated as any other receipt document). When item is received, CASREPT SK picks up material and notifies customer to pick-up.

Inputs

CASREPT Message - (Confidential - Ship Division)

1348 (Handwritten - CASREPT - Ship Division)

Material/1348-1 (Receipt) (Receiving Section)

Outputs

Typed CASREPT Message (C) - (Communications)

1348 - (CASREPT File)

1348/Material - (Ship Division)

1348 Receipt - (Receipt Unit)

1348 - (System Coordinator)

Activity Number	A825
Activity Name	Procurement Expenditure Section (PES)
Activity Function	Message Preparation/Coordination

Description

The Procurement Expenditure Section (PES) SK receives a High Priority 1348 from the System Coordinator. He prepares a message from the 1348 in Defense Automatic Addressing System (DAAS) format, which he transmits to Communications via teletype (located in Procurement Expenditure Section office). He returns the original 1348 to the System Coordinator (1 copy), 1 copy to the customer (proof of order), and discards the remaining copies.

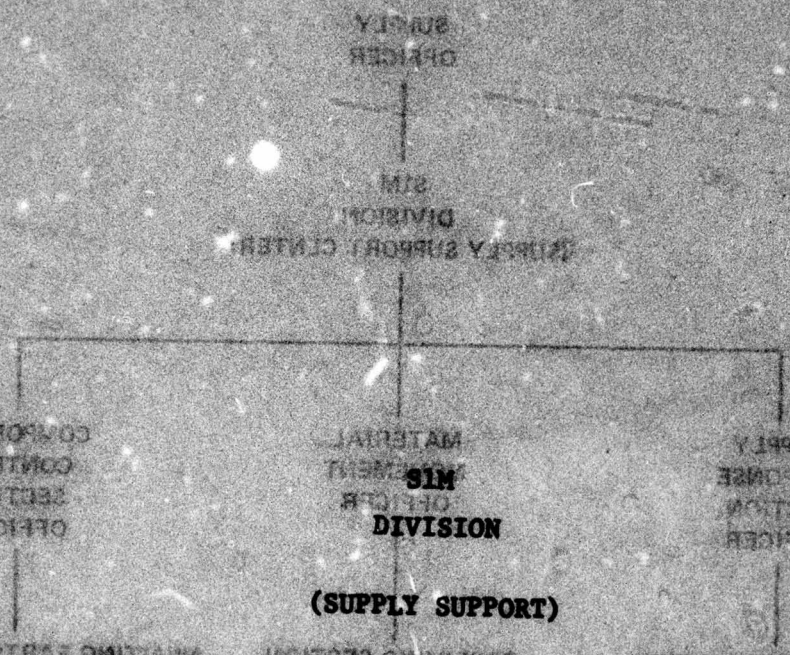
In port, if an item is found to be NIS/NC, the customer SK brings in a handwritten 1348 (via the System Coordinator). The Procurement Expenditure Section SK prepares a typewritten 1348 which the customer SK can take to NSC for pick up. The original 1348, with an attached copy of the typewritten 1348, is held by the Procurement Expenditure Section. NSC prepares a 1348-1 (when it issues the item) for the customer SK who brings it to the Procurement Expenditure Section. The Procurement Expenditure Section matches the 1348-1 with the handwritten 1348. The Procurement Expenditure Section sends the 1348-1 to the System Coordinator.

Inputs

1348 coded (High Priority NIS/NC - System Coordinator)
1348-1 (In port - NSC)

Outputs

1348 Message (DAAS format - Communications)
1348-1/1348 typed - (Ship Division)
1348-1/1348 original - (System Coordinator)


SIM
DIVISION
(SUPPLY SUPPORT)

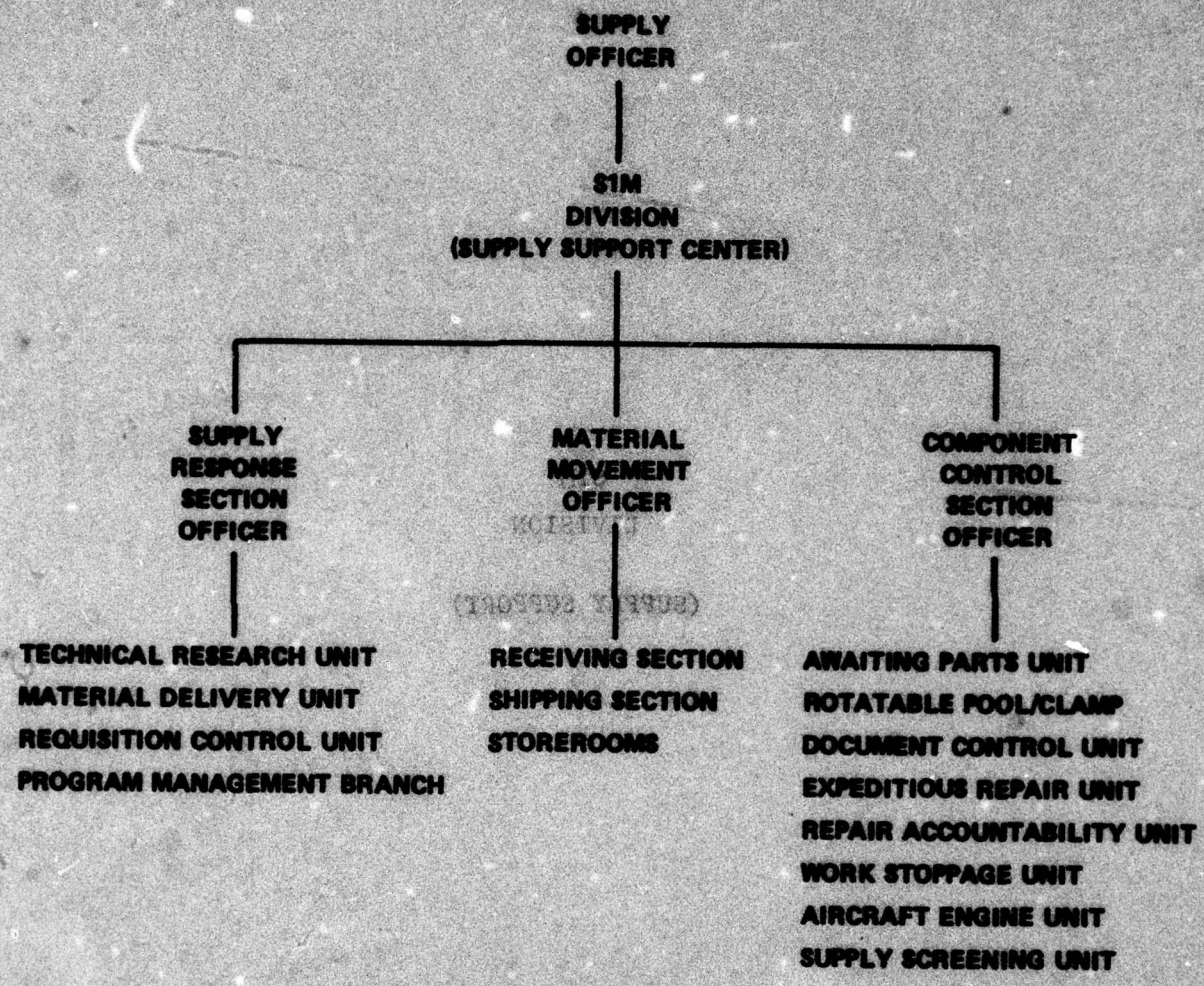


Figure D15 - S1M Organizational Structure

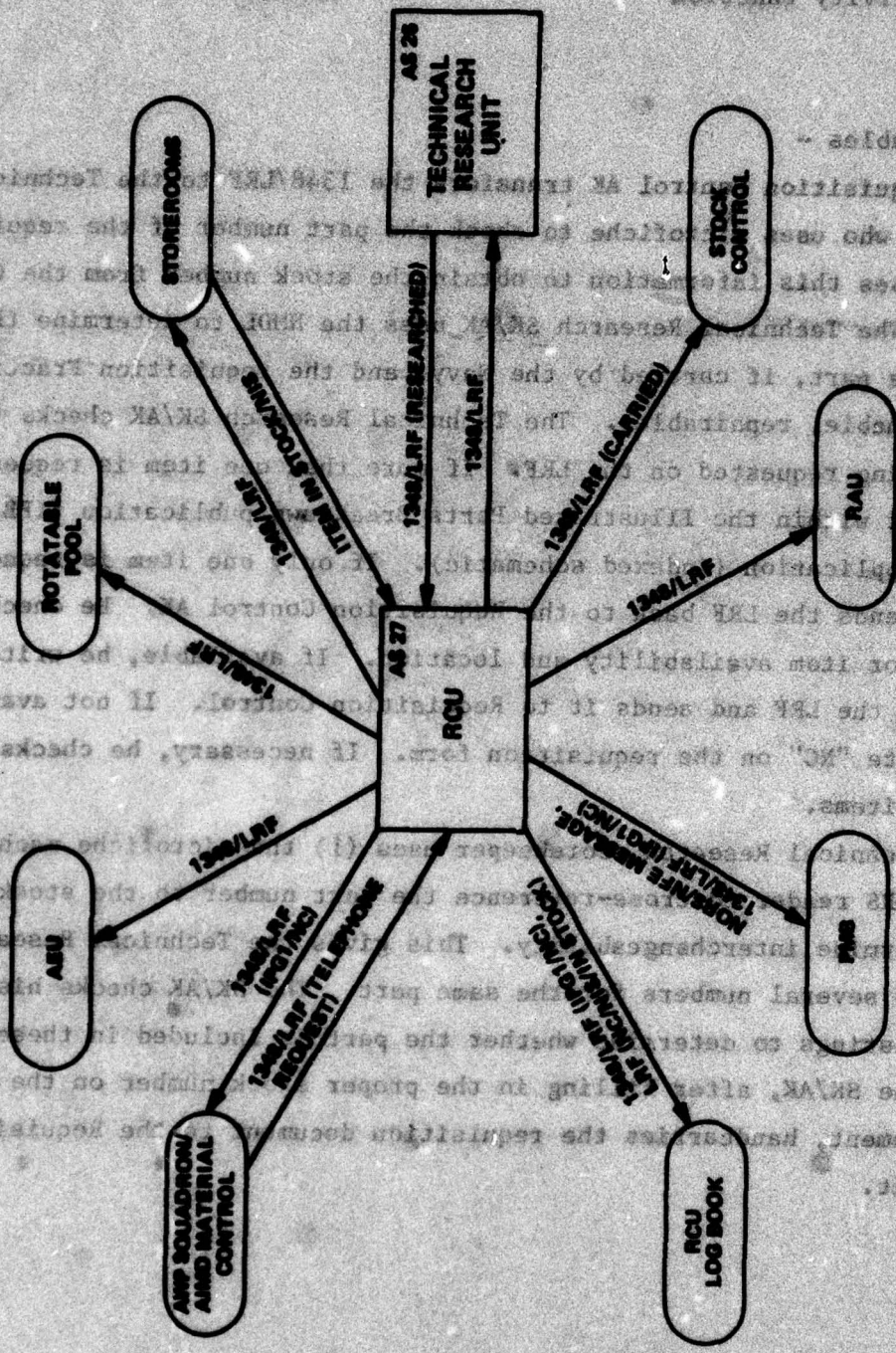


Figure D16 - SIM Consumables

Activity Number	AS26
Activity Name	Technical Research Unit (Consumables)
Activity Function	Research

Description

Consumables -

The Requisition Control AK transfers the 1348/LRF to the Technical Research AK who uses microfiche to check the part number of the requisition. He uses this information to obtain the stock number from the C0006 document. The Technical Research SK/AK uses the NMDL to determine the price of the part, if carried by the Navy, and the requisition Fraction Code (consumable, repairable). The Technical Research SK/AK checks the quantity being requested on the LRF. If more than one item is requested, he checks it within the Illustrated Parts Breakdown publication (IPB) for units and application (indexed schematic). If only one item is requested, the SK/AK sends the LRF back to the Requisition Control AK. He checks the SSSL/MSSL for item availability and location. If available, he writes the location on the LRF and sends it to Requisition Control. If not available, he will write "NC" on the requisition form. If necessary, he checks for substitute items.

The Technical Research storekeeper uses (1) the microfiche machine and (2) the MIARS reader to cross-reference the part number to the stock number to determine interchangeability. This gives the Technical Research storekeeper several numbers for the same part. The SK/AK checks his CLAMP and Pool Listings to determine whether the part is included in these documents.* The SK/AK, after filling in the proper stock number on the requisition document, handcarries the requisition document to the Requisition Control Unit.

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*Rotatable Pool item availability is determined by use of the VIDS Board. CLAMP items availability is determined by use of the CLAMP manual stock.

Input

LRF/1348 - (Requisition Control)

Output

LRF/1348 - (Researched) - (Requisition Control)

Activity Number	AS27
Activity Name	Requisition Control Unit (Consumables)
Activity Function	Record

Description

The Requisition Control storekeeper receives requisitions from (1) AIMD Material Control storekeeper, (2) Squadron Material Control storekeeper, or (3) Awaiting Parts storekeeper (AWP). These requisitions may be either handcarried or telephoned to the Requisition Control storekeeper by one of the three previous storekeepers. If telephoned, the storekeeper will fill out the requisitions from the telephone description. After filling out the requisition forms, the storekeeper delivers them to the Technical Research Storekeeper.

Consumables - (a) The Requisition Control AK generally receives item requests from Squadron/AIMD Material Control and AWP storekeepers via telephone. The AK writes the telephone information (which includes 3M data - JCN, Part Number, Work Unit Code, etc.) on the ship's Local Requisition Form (LRF) and records the data in the Requisition Control Log Book. He then delivers the LRF to the Technical Research Unit.

(b) If the Technical Research AK determines that a requisitioned item is NC and UPG 1 (preempts other documents), the Requisition Control AK notifies the customer (Squadron/AIMD Material Control, AWP) and records NC in the Requisition Control Log Book. The AK delivers the document (LRF) to PMB.

(c) If the Technical Research AK determines a requisitioned item is carried, Requisition Control requests a MDU runner who acquires the requested item from the appropriate storeroom. The MDU runner brings the item and the LRF to the Document Control Unit location for pick up. The runner notifies the Requisition Control AK as to whether the item as or was not in stock. The AK notes "NIS" or "In Stock" in his Log Book. If carried, the LRF is sent to Stock Control. If NIS, Requisition Control gets all copies of the LRF. If in stock, Requisition Control gets the original copy.

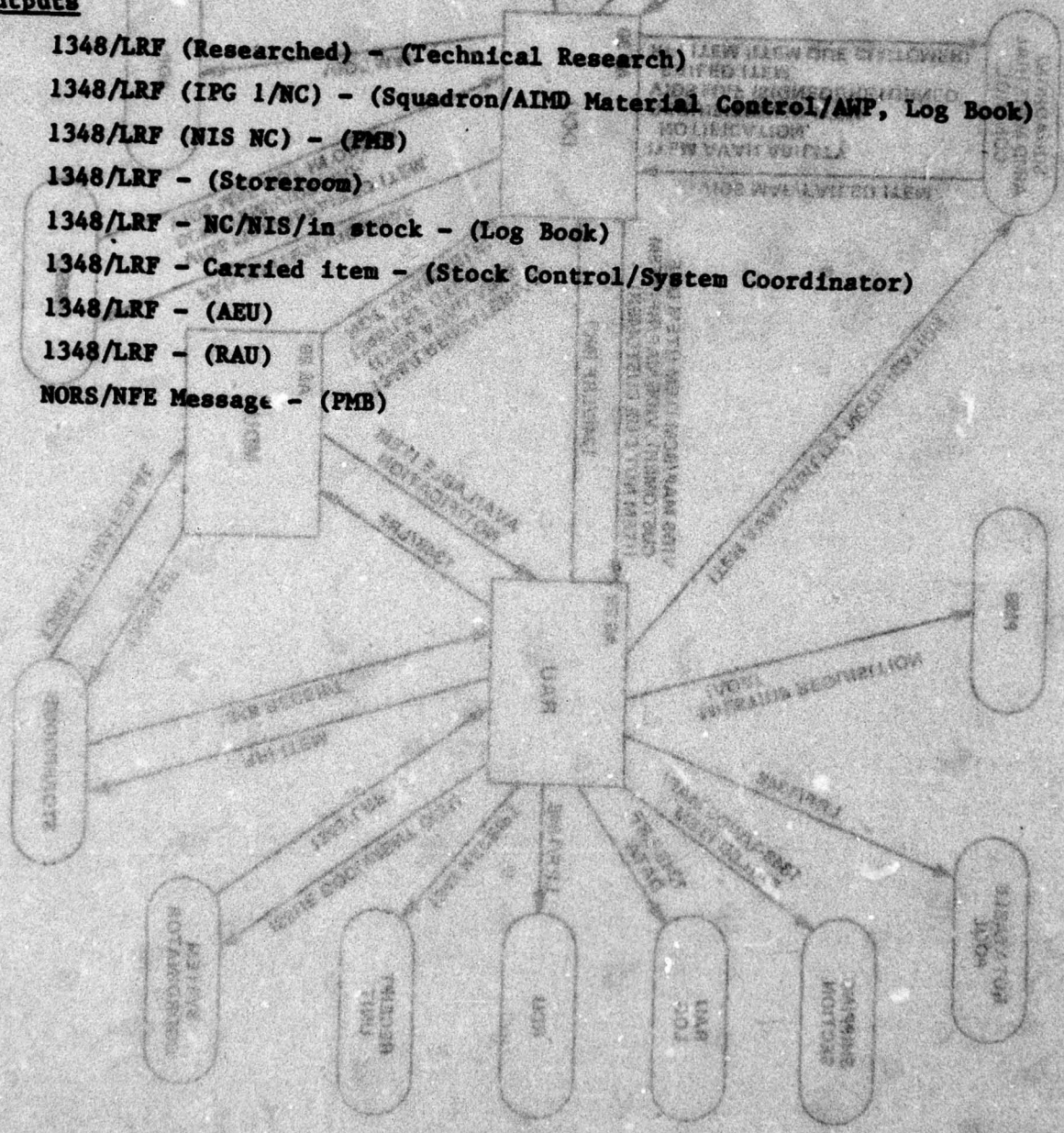
(d) If the Technical Research AK finds the item is NC, he notifies the Requisition Control AK who notes NC in his Log Book and sends the whole document (all copies of LRF) to PMB.

Inputs

1348/LRF Data - Telephone Request (Squadron/AIMD Material Control/AWP)
Item In Stock/NIS - (Storeroom)
1348/LRF Researched - (Technical Research)

Outputs

1348/LRF (Researched) - (Technical Research)
1348/LRF (IPG 1/NC) - (Squadron/AIMD Material Control/AWP, Log Book)
1348/LRF (NIS NC) - (PMB)
1348/LRF - (Storeroom)
1348/LRF - NC/NIS/in stock - (Log Book)
1348/LRF - Carried item - (Stock Control/System Coordinator)
1348/LRF - (AEU)
1348/LRF - (RAU)
NORS/NFE Message - (PMB)



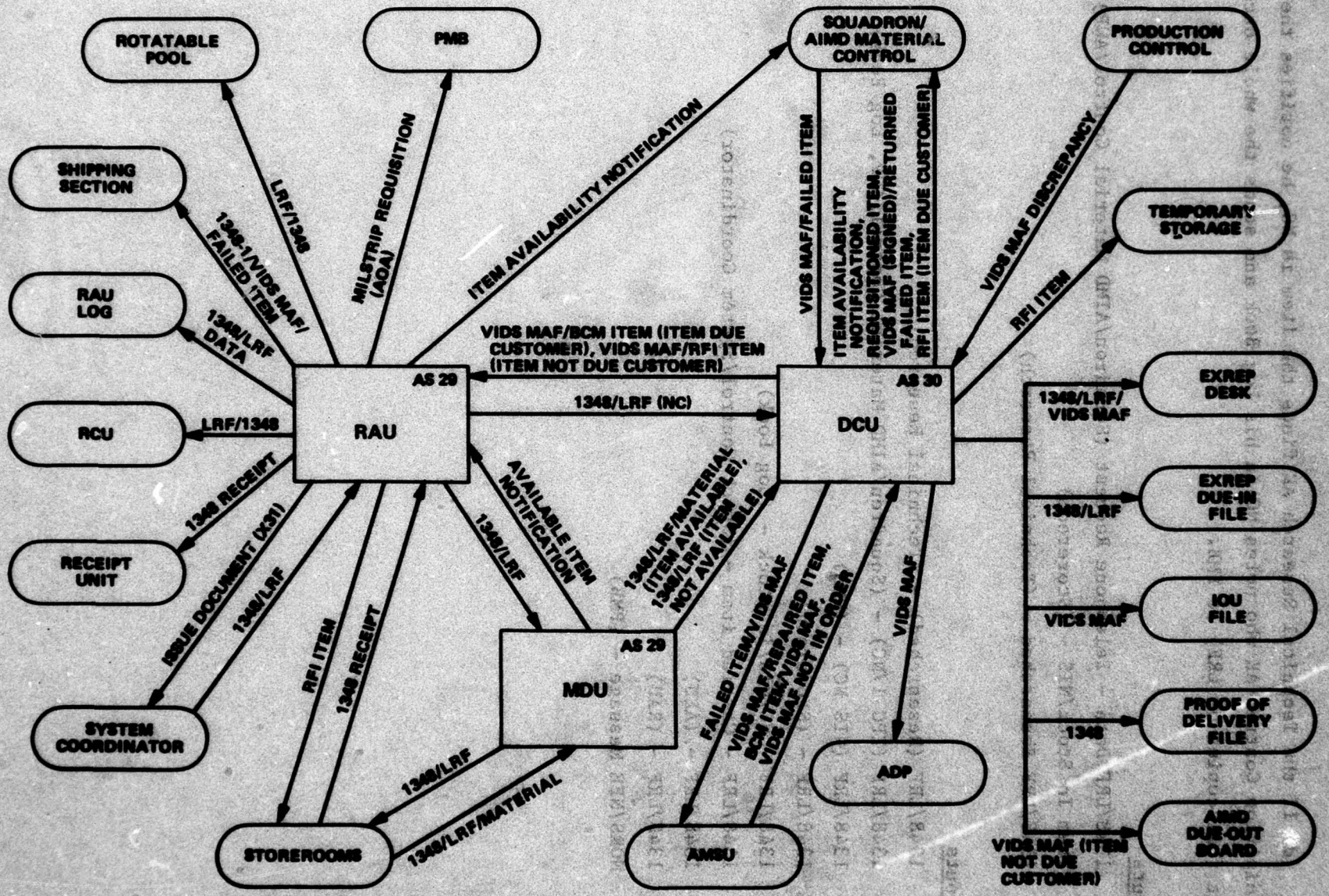


Figure D17 - SIM Repairables

Activity Number	**AS28**
Activity Name	**Material Delivery Unit (Repairables)**
Activity Function	**Perform Delivery**

Description

Temporary duty (TAD) personnel are sent from the squadrons to maintain and operate the Material Delivery Unit (MDU). The MDU AK/SK receives a requisition (1348 or LRF) from RAU (Repair Accountability Unit) and goes to the designated storeroom to acquire (break out) material. If the material is available, he brings the material and the requisition document to a designated delivery location (DCU). If the material is not available, the MDU SK/AK delivers the document to DCU.

Inputs

1348/LRF - (RAU)

1348/LRF/Material - (Storeroom)

Outputs

1348/LRF - (Storeroom)

1348/LRF/Material (if available - DCU)

Available Item Notification - (RAU)

Activity Number	AS29
Activity Name	Repairable Accountability Unit (Repairables)
Activity Function	Determine Availability/ Material Accountability

Description

Determine Availability

The Repairable Accountability Unit (RAU) AK receives the 1348/LRF* from the Requisition Control AK. He enters the data in his Control Log and screens the Stock Record Card to determine the availability of the requisitioned item. He notes the storeroom location on the requisition and delivers the adjusted requisition to the Material Delivery Unit (MDU) AK/SK. If the required item is available/carried, he notifies the customer (Squadron, AIMD, Ship) (via telephone) of the status of the item. If the item is NC (not carried), the requisition is sent to DCU (via MDU runner). If the item is located in the Rotatable Pool, the customer is sent directly to the Pool.

The RAU AK receives the ship's LRF (Logistics Requisition Form) from the System Coordinator and follows the procedures described above.

The RAU AK receives the receipt document from the storeroom (from which the item was issued). He logs the quantity issued on the stock record card (used in determining the extent of resupply requirements) and verifies the locations of items in storerooms. He sends the receipt document to Stock Control (Receipt Unit).

Material Accountability

The Documentation Control Unit (DCU) AK brings the material, accompanied by the VIDS MAF, to the RAU. If the item is to be Ready For Issue (RFI), the RAU AK, using the Stock Record Cards, determines the appropriate storage location. The material is transferred to the storeroom by storeroom personnel.

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*NOTE: If requisition is for a Rotatable Pool item, the requisition is sent directly to the Pool.

If the item is non-RFI (cannot be repaired), the RAU AK screens the Stock Record Cards to determine whether the item is to be reordered for stock. He also enters the Beyond Capability of Maintenance (BCM) document number in his log. He prepares an Issue Document (X31) which he sends to System Coordinator, a MILSTRIP Requisition (AOA) which he sends to PMB, and a 1348-1 for off-ship transfer which he sends to shipping (accompanied by the failed material).

Inputs

Material VIDS MAF (Not due customer) - (DCU)
Available Item Notification - (MDU)
1348/LRF - (Requisition Control)
1348/LRF - (System Coordinator)
1348 - Receipt (Issued item - Storeroom)
VIDS MAF/Material (Item not due customer - DCU)
VIDS MAF/Material (BCM item due customer - DCU)

Outputs

1348/LRF Data - (Control Log - RAU)
1348/LRF - (MDU)
Item Availability Notification - (Squadron/AIMD Material Control, Ship Division)
1348/LRF (NC - DCU)
1348 Receipt - (Stock Control - Receipt Unit)
Adjusted LRF/1348 - (Rotatable Pool)
RFI Item/VIDS MAF - (Storeroom)
BCM Number - (RAU Log - RAU)
Issue Document (X31) - (System Coordinator)
MILSTRIP Requisition - (AOA - PMB)
1348-1/Failed (BCM) Material, VIDS MAF - (Shipping Section)

Activity Number	**AS30**
Activity Name	**Document Control Unit (Repairables)**
Activity Function	**File/Control**

Description

File -

If the requisitioned material is available, the DCU (Document Control) AK receives the requisition document 1348/LRF and the material from the MDU AK/SK and places them in temporary storage to await customer pick-up. If the item is not available, DCU AK receives the requisition document only and proceeds as follows:

sends 2 copies to the Expeditious Repair DUE-IN File (DCU)
sends 2 copies to the Expeditious Repair Desk (DCU)

If the material is NC (not carried), the RAU AK forwards the document to the DCU AK who follows the same procedures indicated for material not available (see above).

Control -

The DCU storekeeper notifies the customer (Ship Division, Squadron Material Control) that the requisitioned item was received and is in temporary storage. The customer storekeeper brings in the failed item, picks up the replacement, and signs the requisition document (LRF or 1348). The DCU storekeeper signs the VIDS MAF for receipt of the failed item (to be repaired). He screens the VIDS MAF for completeness, fills in the NSN, and returns 1 copy to the customer storekeeper. He files the hard-copy of the 1348 in his Proof of Delivery File and delivers the failed material and the VIDS MAF to AMSU. If the customer does not have the failed item for turn-in, the "customer copy" (VIDS MAF) is held in the IOU File at DCU.

If the customer AK/SK turns in the failed item without receiving a replacement, the DCU AK signs a copy of the VIDS MAF and gives it to him. One copy of the VIDS MAF is sent to the ExRep Desk and the failed item is sent to AMSU (with VIDS MAF documentation).

If the item is repairable (inducted) and DUE TO the customer, DCU receives a copy of the VIDS MAF via AMSU runners. This copy is sent to the ExRep Desk for matching with the "filed" copies (3) of the VIDS MAF. If the item is not DUE TO the customer, the VIDS MAF copy (received from AMSU) is filed by Julian Date sequence on the AIMD Due-Out Board.

DCU receives the material via AMSU runners:

- If it is RFI (repaired), DCU AK screens the ExRep section to determine whether the item is DUE TO the customer. If it is, the customer is notified and issued the item (customer AK/SK signs VIDS MAF). If the item is not DUE TO the customer, the item is sent to RAU by the DCU personnel.

- If the item is BCM, the VIDS MAF is screened to determine whether the item is due to the customer. If it is due, the VIDS MAF copies (3) and the material are sent to the RAU.

In all cases of material received from AMSU, the DCU (AK) completes 1 VIDS MAF copy and forwards it to ADP for key-punching.

Inputs

1348/LRF, Material (Item Available - MDU)

1348/LRF (Item not available - MDU)

No AIMD capability - (AMSU)

1348/LRF (NC - RAU)

VIDS MAF/Failed Item (Customer = Squadron Material Control, Ship Division)

MAF (Repairable - AMSU)

Repaired Item - (AMSU)

VIDS MAF/BCM Item - BCM (AMSU)

VIDS MAF Discrepancy - (Production Control - AIMD)

VIDS MAF Not in Order - (AMSU)

Outputs

RFI Item (Available - Temporary storage DCU)

1348/LRF (ExRep DUE-IN File DCU)

1348/LRF (ExRep Desk DCU)

Outputs

Item Availability Notice - (Customer)

Requisitioned Item - (Customer)

1348 (Proof of Delivery File - DCU)

Failed Item VIDS MAF - (AMSU)

VIDS MAF - (IOU File - DCU)

VIDS MAF (signed) (if customer turn-in failed item) - (Customer)

VIDS MAF - (Repairable, ExRep Desk - DCU)

VIDS MAF - Not Due Customer - (AIMD Due-Out Board)

VIDS MAF, Material (BCM Item Due To Customer - RAU)

RFI Item Due to Customer/VIDS MAF - (Customer)

VIDS MAF/RFI Material Item Not Due to Customer - (RAU)

VIDS MAF - (ADP)

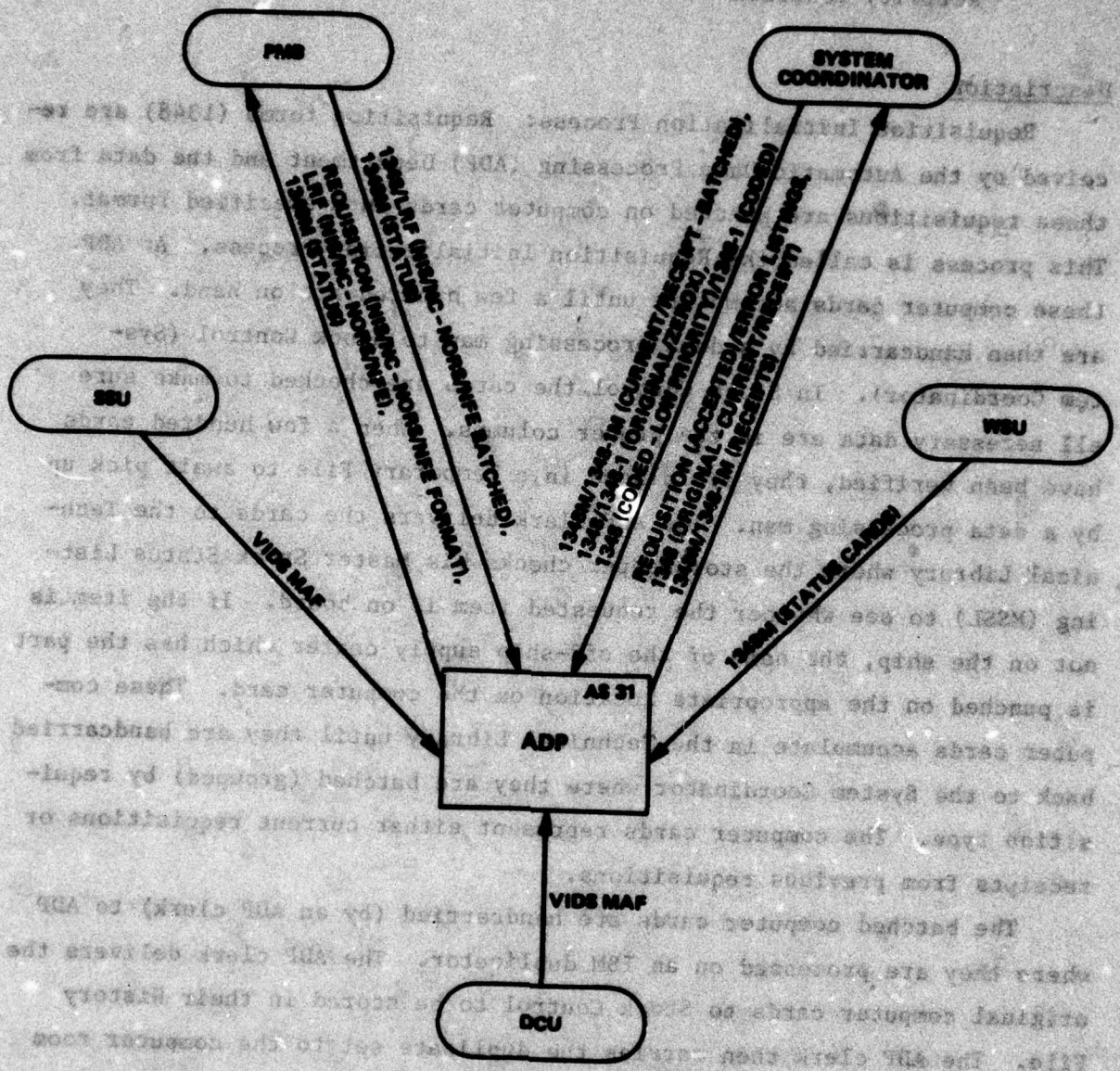


Figure D18 - Automatic Data Processing

Activity Number	A831
Activity Name	Automatic Data Processing Department
Activity Function	Data Processing

Description

Requisition Initialization Process: Requisition forms (1348) are received by the Automatic Data Processing (ADP) Department and the data from these requisitions are punched on computer cards in a specified format. This process is called the Requisition Initialization Process. At ADP, these computer cards accumulate until a few hundred are on hand. They are then handcarried by a data processing man to Stock Control (System Coordinator). In Stock Control the cards are checked to make sure all necessary data are in the proper columns. When a few hundred cards have been verified, they are placed in a Temporary File to await pick up by a data processing man. The ADP clerk delivers the cards to the Technical Library where the storekeeper checks his Master Stock Status Listing (MSSL) to see whether the requested item is on board. If the item is not on the ship, the name of the off-ship supply center which has the part is punched on the appropriate location on the computer card. These computer cards accumulate in the Technical Library until they are handcarried back to the System Coordinator where they are batched (grouped) by requisition type. The computer cards represent either current requisitions or receipts from previous requisitions.

The batched computer cards are handcarried (by an ADP clerk) to ADP where they are processed on an IBM duplicator. The ADP clerk delivers the original computer cards to Stock Control to be stored in their History File. The ADP clerk then carries the duplicate set to the computer room to be processed. The computer screens the cards and prints out Requisition (accepted) and Error Listings which identify all previously mispunched cards. These two listings are handcarried by an ADP clerk to Stock Control

(System Coordinator) for review. Incorrectly punched requisitions are returned to ADP (by an ADP clerk), repunched, and added to the newly acquired punched cards and processed as before on the IBM duplicator. These cards are batched again and reprocessed until no errors exist.

Receipt Process: The Receipt Process is similar to the Requisition Initialization Process. When the off-ship receipt document arrives in the Receipt Unit, Xerox copies of each receipt are made. One Xerox copy is sent to the customer and the other Xerox copy and the original receipt document are sent via the System Coordinator to ADP. There the data are punched onto computer cards which are handcarried by the ADP clerk, along with the original receipt, to Stock Control (System Coordinator). Stock Control staples the receipts to the original requisition computer cards (see Requisition Initialization Process) that were stored in the Historical File. These documents, except the punched receipt card, are then filed in the Historical File. The punched receipt card is batched with similar receipt computer cards and handcarried to the computer to be processed with the other cards and filed.

Inputs

1348/1348-1/Receipts (original xerox - System Coordinator)

1348 Low priority (coded)/1348-1 (coded) - (System Coordinator)

Batched 1348M/1348-1M (current/receipt requisitions) - System Coordinator

1348M Cards (status) - (WSU)*

VIDS MAF - (DCU)

VIDS MAF - (Supply Screening)

1348/LRF NIS/NC, NORS/NFE Batched - 1348M (status) - (PMB)

---

*To produce Work Stoppage Unit (WSU) listings for off-ship requisitions that have a WSU priority code.

Outputs

1348M (status) - (PMB)

Requisition (Accepted)/Error Listings - (System Coordinator)

Original 1348 (Current/Receipt Requisitions) - (System Coordinator)

1348M/1348-1M Receipts - (System Coordinator)

LRF (NORS/NPE) NIS/NC - (PMB)

Requisitions (NORS/NPE Format) NIS/NC - (PMB)

WSU Listings - (WSU)

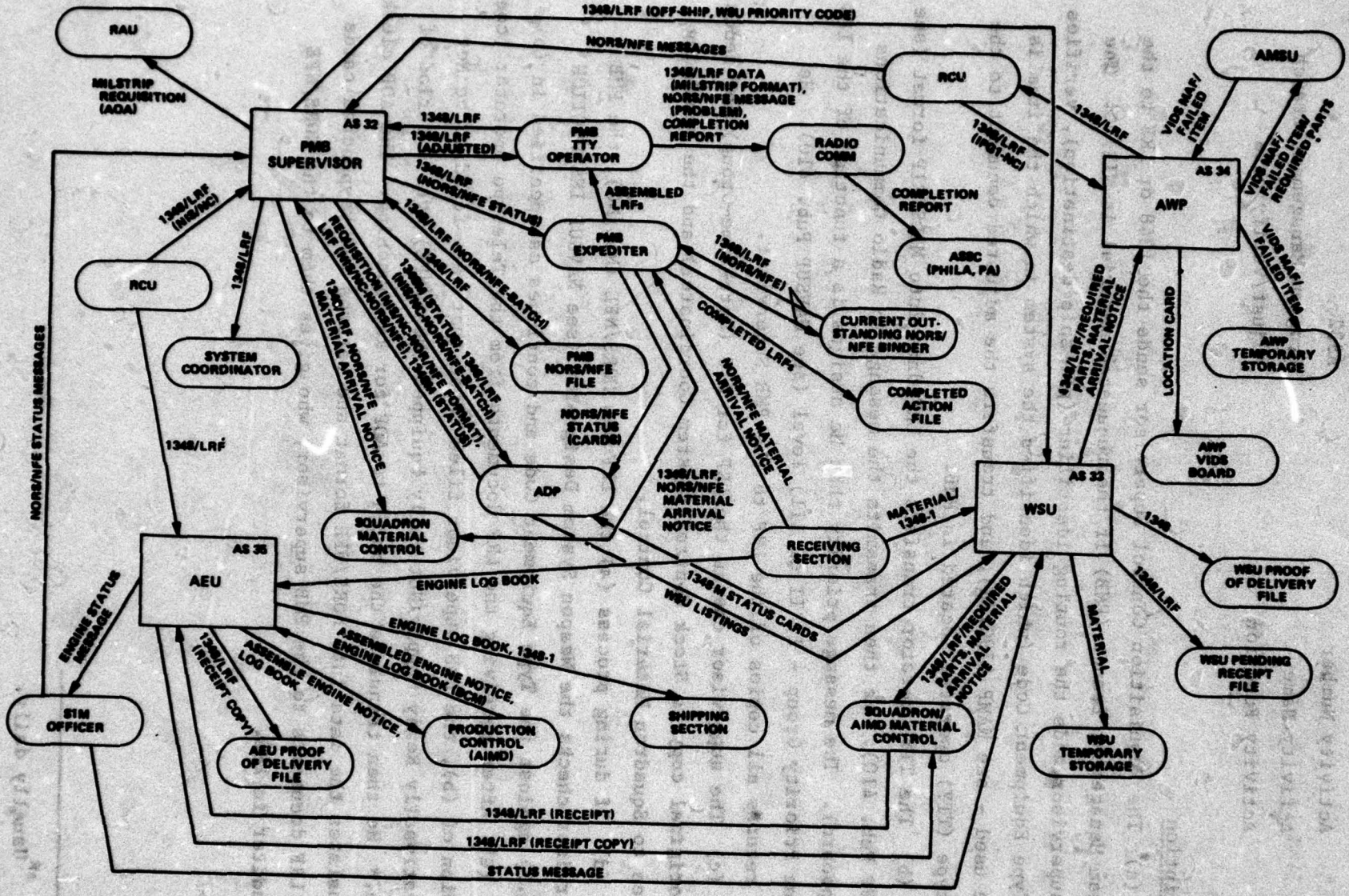


Figure D19 - Supply Support Coordination

Activity Number	AS32
Activity Name	Program Management Branch
Activity Function	Adjust/Verify Data

Description

(a) The Requisition Control Supervisor sends the 1348 or LRF to the Program Management Branch (PMB) if the requested material is NIS/NC. The PMB supervisor adds the routing identifier (pff-ship destination), verifies the Type Equipment Code (which identifies the system in which the item is to be used - see NAMP 4790.2A), and transfers the adjusted document to the teletype (TTY) operator located in PMB.

(b) The TTY operator transfers the LRF data into MILSTRIP format (see NAVSUP Pub. 410). He then transmits the message to Radio Communications (shipboard). The message priority that he assigns is a function of the IPG (Issue Priority Group - I, II or III) level (see NAVSUP Pub. 410). He then returns all copies of the LRF to the PMB Supervisor.

(c) The supervisor checks the LRF for DTG (Date-Time-Group) and sends the original copy to Stock Control (System Coordinator) and the remaining copies to Squadron Material Control.

(d) If during process (a) the LRF was NORS/NFE (NIS/NC), the PMB supervisor checks the Weapon System Designator (see NAVSUP INSTRUCTION 5442.2) against the Type Equipment Code and continues as specified in (b).

(e) After receiving the LRF documents from the Teletype operator (conclusion of (b), the PMB supervisor files those that were found to be Not Operationally Ready Supply/Not Fully Equipped (NORS/NFE) over a period of time.* He then transfers the batch to ADP for key-punching. The ADP clerk translates the data into NORS/NFE format and returns the keypunched cards and LRF documents to the PMB supervisor, who gives them to the NORS/NFE Expediter in PMB.

*Usually daily.

(f) The NORS/NFE Expediter files the LRF's in his "Current Outstanding NORS/NFE Requisition File" (binder). This file is used to monitor the status of NORS/NFE outstanding requisitions. NORS/NFE Messages are picked up by the SIM Administrative Assistant from Radio Communications, reviewed by the SIM Officer, and forwarded to the PMB supervisor. The PMB supervisor screens the incoming messages for those indicating NORS/NFE status. He gives these to the Expediter, who enters the status on punched cards and sends the updated cards to ADP for key punching. These key punched cards are returned to the Supervisor.

If a problem develops in the status of these requisitions, the Expediter prepares a follow-up message for off-ship transmission (checked by supervisor). The message is prepared in Naval Message format and is usually IPG I - priority 2.

(g) When NORS/NFE material requisitions are acquired (from off-ship), the Receiving Section notifies the NORS/NFE Expediter that the material has arrived. The Expediter goes to Receiving, takes the document from the received item, and returns it to his desk. He notifies Squadron Material Control of arrival of the material (all NORS items are grouped in the Receiving area by squadron bins) and indicates the arrival on the 1348 (attached to the incoming material). He also indicates the date of arrival, source of the item, and quantity received on the LRF in his file. The completed LRF's are assembled (daily), put in squadron sequence, and taken to the TTY operator (in PMB). The TTY operator sends a completed report (Naval Message) to the Aviation Supply Support Center (Philadelphia, PA). The Expediter keeps a file of completed action documents.

Inputs

1348/LRF (NIS/NC - Requisition Control Unit)
1348/LRF - (PMB TTY operator)
1348/LRF Batch (PMB NORS/NFE - File)
Requisitions (NORS/NFE Format) NIS/NC - (ADP)
LRF (NIS/NC-NORS/NFE) - (ADP)
MILSTRIP Requisition (ADA) - (RAU)
1348M (Status ADP)

Inputs

NORS/NFE Material Arrival Notice - (Receiving Section)

Assembled LRFs, NORS/NFE Message (problem) - (PMB Expediter)

Outputs

1348/LRF (Adjusted - PMB TTY operator)

1348/LRF MILSTRIP Format - (Radio Communications)

1348/LRF - (PMB Supervisor)

1348/LRF - (Stock Control/System Coordinator)

1348/LRF - (Squadron Material Control)

1348/LRF - (NORS/NFE - PMB File)

1348/LRF - (NORS/NFE - PMB NORS/NFE File)

LRF (NIS/NC), NORS/NFE Batched - (ADP)

1348/LRF (Current Outstanding NORS/NFE File - Expediter)

Status Messages (NORS/NFE - Expediter)

1348M (Status - ADP)

Status Message (NORS/NFE problem (IPG I - priority 2) - Radio Communications)

NORS/NFE Material Arrival Notification - (Squadron Material Control)

Assembled LRFs - (PMB TTY Operator)

Completed LRFs - (Completed Action File - PMB)

DD1348 - (ADP)

1348/LRF (Off-ship Requisition/WSU Priority Code) - (WSU)

Activity Number	AS33
Activity Name	Work Stoppage Units
Activity Function	File Documents/Store Material

Description

The Work Stoppage Unit (WSU) AK/SK receives from PMB copies of the 1348/LRF for items to be requisitioned from off-ship that have a WSU priority code. The AK/SK fills out a 1348M card which he sends to ADP (to produce WSU listings). The WSU AK files the 1348/LRF copies in his Pending Receipt File. He picks up incoming material and the accompanying 1348-1 (destined for WSU) from the Receiving Section.

The WSU AK screens the material for document number, quantity, etc., pulls the outstanding LRF copies from the Pending Receipt File, signs the 1348-1, and temporarily stores material. He notifies the customer (AWP, Squadron/AIMD Material Control) of the arrival of the material. The customer picks up the material and signs the 1348/LRF. The customer receives a copy of the 1348/LRF and the WSU AK retains the other copy in his Proof of Delivery File.

The WSU AK also receives status messages from the SIM Division Officer from which he updates his 1348M cards. These cards are sent to ADP to update the Work Stoppage Listings.

Inputs

1348/LRF (Off-ship Requisition/WSU priority code - PMB)
Material/1348-1 - (Receiving Section)
Status Message - (SIM Division Officer)
WSU Listings - (ADP)

Outputs

1348M Status Cards - (ADP)
1348/LRF (Pending Receipt File - WSU)

Outputs.

Material (Temporary Storage - WSU)

Notification of Material Arrival (Customer - Squadron Material Control AWP)

LRF (Proof of Delivery File - WSU)

Required Parts, 1348/LRF - (Customer)

Activity Number	**AS34**
Activity Name	**Awaiting Parts Unit**
Activity Function	**Temporary Storage**

Description

The Awaiting Parts (AWP) AK/SK receives the failed item and the VIDS MAF from AMSU who requires parts for its repair. The AWP AK/SK initiates a 1348/LRF for the required parts. He sends the 1348/LRF to the SRS initial point of entry (Requisition Control Unit) and stores the failed item, accompanied by the VIDS MAF, in the AWP temporary storage location. The AWP AK prepares a Locator Card for the AWP VIDS Board.

The AWP receives the required parts from WSU. The AK combines the failed item with its VIDS MAF and the received parts and notifies AMSU to pick up the assembly (for repair).

Inputs

VIDS MAF/Failed Item - (AMSU)

1348/LRF, Required parts - (WSU)

1348/LRF, IPG 1/NC - (RCU)

Notification of Material Arrival - (WSU)

Outputs

1348/LRF - (Requisition Control Unit)

VIDS MAF/Failed Item - (AWP Temporary Storage)

Location Card - (AWP VIDS Board)

VIDS MAF/Failed Item/Required Parts - (AMSU)

Activity Number	AS35
Activity Name	Aircraft Engines Unit
Activity Function	Notification/Filing

Description

The Aircraft Engines Unit (AEU) AK receives the 1348/LRF from Requisition Control (SRS). The AK notifies AIMD (Production Control) to build up the aircraft engine to be made ready for issue to the customer squadron. The entire engine assemblage does not come into Supply as a Ready-For-Issue (RFI) Item. The Aircraft Log Book is given to AIMD (Production Control) along with the incoming engine. AIMD builds up the engine, issues it to the customer, and notifies AEU. The AEU AK obtains the customer's signature on the 1348/LRF. Two copies are returned to the customer squadron and the hard copy is placed in the Proof of Delivery File (AEU).

When the AEU AK is notified that a new engine has been received by the Receiving Section, the AK acquires the Aircraft Engine Log Book. He prepares for COMNAVAIRLANT a receipt message which is sent to the SIM Division Officer and then to Radio Communications.

If an engine is found to be BCM by AIMD (Production Control), the AEU is sent the Engine's Log Book. The failed engine is shipped to the appropriate DOP via the Shipping Section. The AEU AK prepares a 1348-1 and a message for COMNAVAIRLANT (indicating the status of the engine). The message to COMNAVAIRLANT is sent to, and released by, the SIM Division Officer and delivered to Communications via the SIM Administrative Assistant. The 1348-1 and the Engine's Log Book are sent to the Shipping Section.

Inputs

1348/LRF (SRS - Requisition Control)

Assembled Engine Notification - (Production Control (AIMD))

Engine Log Book - (Receiving Section)

Engine Log Book (BCM - Production Control) (AIMD)

1348/LRF Receipt - (Squadron Material Control)

Outputs

Assemble Engine Notice - (Production Control (AIMD))

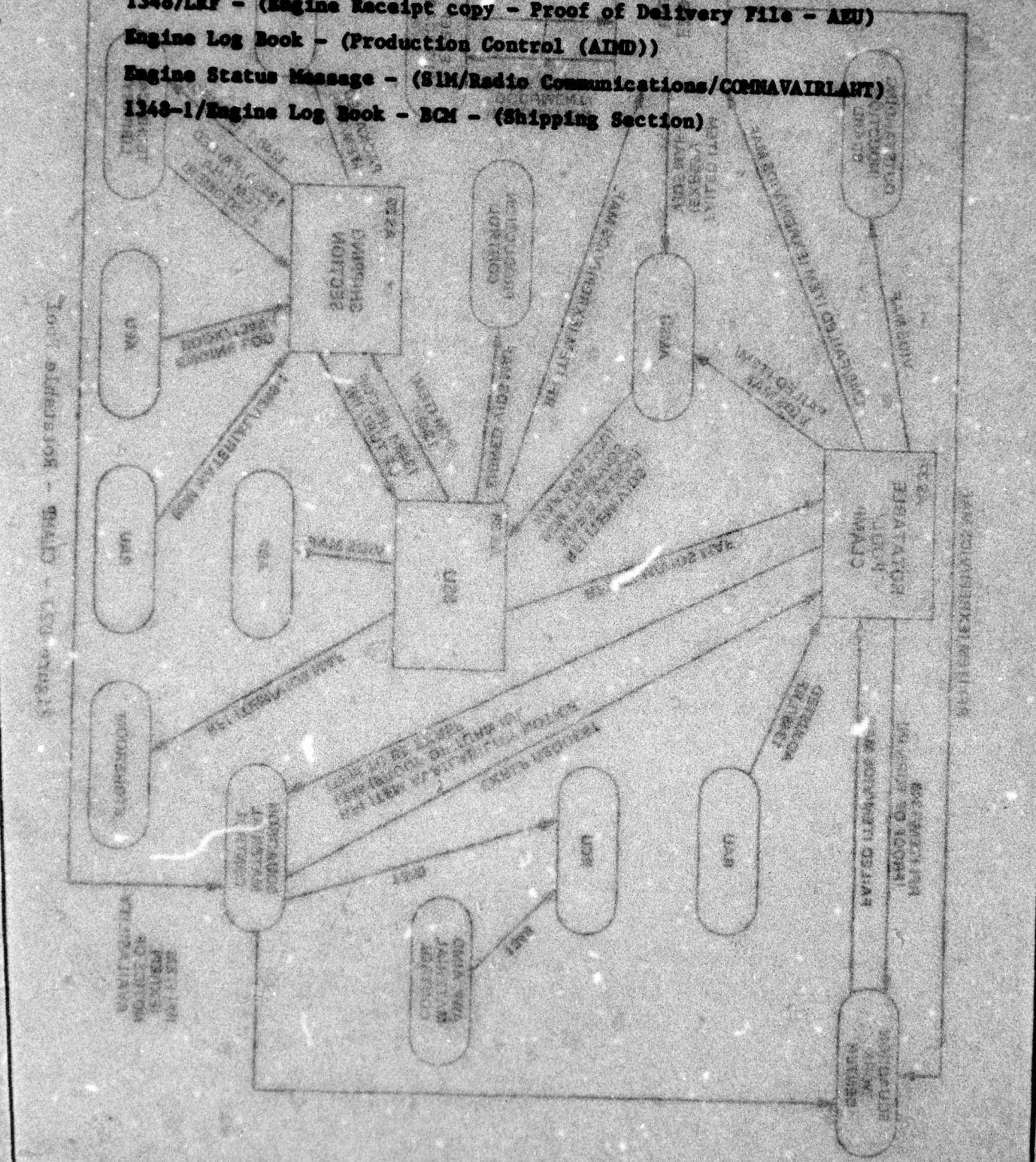
1348/LRF - (Engine Receipt copy - Squadron Material Control)

1348/LRF - (Engine Receipt copy - Proof of Delivery File - AEU)

Engine Log Book - (Production Control (AIMD))

Engine Status Message - (SIM/Radio Communications/COMNAVAIRLANT)

1348-1/Engine Log Book - BCM - (Shipping Section)



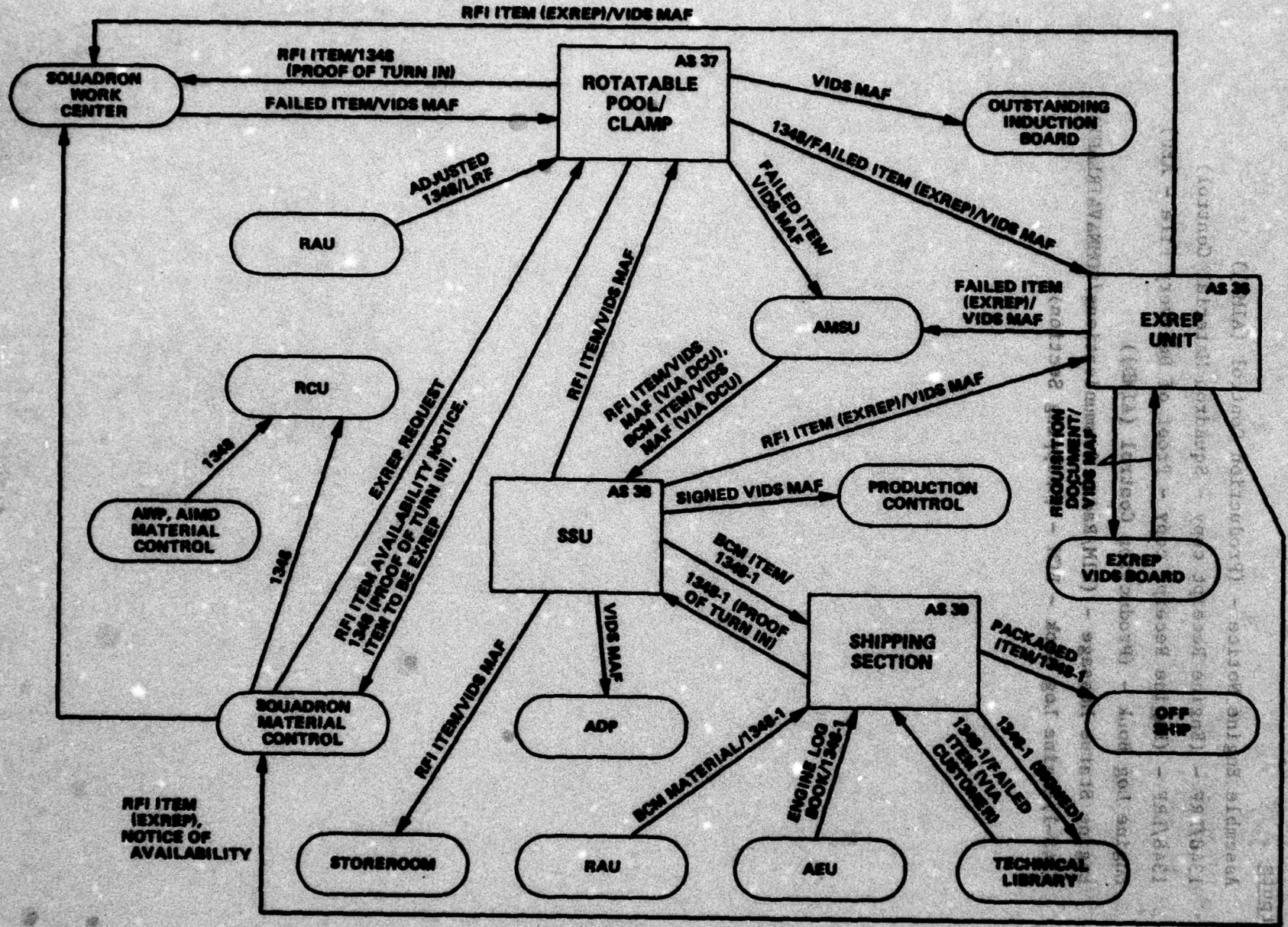


Figure D20 - CLAMP - Rotatable Pool

Activity Number	AS36
Activity Name	Expeditious Repair Unit
Activity Function	Coordinate

Description

The ExRep (Expeditious Repair) storekeeper handles RFI (ExRep) items received from the Screening Unit and failed items, that are to be ExRep, from the Rotatable Pool.

If an item is to be inducted as ExRep, Squadron Material Control informs the Squadron Work Center to send a shop technician with the failed item and accompanying VIDS MAF to the Rotatable Pool. The Rotatable Pool storekeeper stamps all copies of the VIDS MAF "ExRep" and delivers the failed item, stamped VIDS MAF, and the requisition document to the ExRep storekeeper. The ExRep storekeeper takes the requisition document and yellow copy of the VIDS MAF and puts them on the ExRep VIDS Board. The ExRep storekeeper re-attaches the remainder of the VIDS MAF to the failed item and handcarries them to AMSU.

After an item has been repaired, the RFI item and accompanying VIDS MAF are sent to Screening from AMSU via DCU. If the item is ExRep, the Screening storekeeper delivers the VIDS MAF and RFI item to the ExRep storekeeper. The ExRep storekeeper pulls the associated requisition form and yellow copy of the VIDS MAF from the ExRep VIDS Board and completes the yellow copy. The ExRep storekeeper then telephones Squadron Material Control and informs that storekeeper that he has ExRep material to be picked up. The Material Control Storekeeper telephones the proper work center and asks to have that work center send a shop technician to pick up the RFI ExRep Item.

Inputs

Failed Item, ExRep VIDS MAF/1348 - (Rotatable Pool)

Requisition document/VIDS MAF - (ExRep VIDS Board)

RFI (ExRep Item/VIDS MAF) - (Supply Screening Unit)

Outputs

Failed Item (ExRep)/VIDS MAF - (AMSU)

Requisition document/VIDS MAF - (ExRep VIDS Board)

Notice of Availability, RFI Item (ExRep) - (Squadron Material Control)

RFI Item (ExRep)/VIDS MAF - (Squadron Work Center)

Activity Number	**A837**
Activity Name	**Rotatable Pool/CLAMP**
Activity Function	**Issues/Stores Items**

Description

The adjusted requisition document is handcarried to the Rotatable Pool via MDU. The Rotatable Pool storekeeper checks his VIDS Board for availability (to see if the part is on the shelf). The availability of CLAMP/ Rotatable Pool items is listed in manual records and the MSSL. Rotatable Pool/CLAMP List items must be approved by ASO (Aviation Supply Office). The criteria used to determine whether an item shall be assigned to the Rotatable Pool List are found in FASO Instruction 4700.25 series and are based on the assigned deck load (type of aircraft) supported.

The Rotatable Pool AK calls the Squadron Material Control and tells the Material Control storekeeper that the item is Ready-for-Issue (RFI). The Squadron Material Control AK then relays this message by telephone to the proper Squadron Work Center. A shop technician from the Work Center is designated to handcarry the failed items plus accompanying VIDS MAF to the Rotatable Pool and exchange the items. During the exchange, the shop technician receives the issue item along with the white copy of the requisition document. This copy of the requisition form is referred to as the "proof-of-turn-in" (1348) copy. The shop technician handcarries the issued item back to his Work Center or the appropriate aircraft and installs it.

After the routine exchange, the Rotatable Pool storekeeper pulls the yellow copy of the VIDS MAF and files it on his Outstanding Inductions Board. The storekeeper then handcarries the failed item plus the attached VIDS MAF to AMSU.

If Item Not Available

The Rotatable Pool Storekeeper telephones Material Control and informs the storekeeper that the item he desires is not available and that the failed item will be inducted if required as ExRep (Expeditious Repair). Material Control relays this message to the appropriate Work Center which assigns a shop technician to carry the failed items and accompanying VIDS MAF to DCU and pick up his "proof-of-turn-in" copy. The Rotatable Pool storekeeper stamps all copies of the VIDS MAF "EXREP." The Rotatable Pool storekeeper handcarries the requisition document and the VIDS MAF to the ExRep storekeeper.

RFI Items

The repaired item and accompanying VIDS MAF are sent to Supply Screening. If the item has not been ExRep, Screening assigns a CCS runner to take the RFI item plus the hard copy of the VIDS MAF to the proper storeroom. If the item was ExRep, the Screening storekeeper delivers the VIDS MAF and the repaired item to the ExRep storekeeper.

Exception List Items

Items listed on the Exception List are the only ones not exchanged one-for-one. They usually include major components which, when removed from the aircraft, disable it. However, while they remain installed although inoperative, the aircraft is not disabled. There is no difference in the manner in which the paperwork for Exception List and other failed items is handled.

Inputs

Adjusted LRF/1348 - (RAU)
Failed Items/VIDS MAF - (Squadron Work Center)
RFI Items/VIDS MAF - (Supply Screening Unit)
ExRep Request - (Squadron Material Control)

Outputs

RFI Item Availability Notice - (Squadron Material Control)
VIDS MAF - (Outstanding Induction Board)
RFI Item/1348 - (Proof-of-turn-in, Squadron Work Center)
1348 (Proof-of-turn-in, Squadron Material Center)

Outputs

1348/Failed Item (ExRep)/VIDS MAF - (ERU)

Failed Item/VIDS MAF (AMSU)

Item to be ExRep - (Squadron Material Control)

Activity Number	AS38
Activity Name	Supply Screening Unit
Acitivty Function	Distribution

Description

AMSU Storekeeper sends the repaired item plus VIDS MAF to Supply Screening via DCU. The RFI is either ExRep or not ExRep.

NOT ExRep: The Supply Screening storekeeper (AK/SK) pulls the yellow copy of the associated VIDS MAF off the Outstanding Inductions Board and completes the applicable blocks. On a daily basis, the Component Control Section (CCS) runner takes the yellow copies to ADP. The CCS runner takes the RFI Item plus the hard copy of VIDS MAF to the appropriate storeroom.

ExRep: Screening storekeeper sees the "ExRep" stamped on the VIDS MAF and delivers the VIDS MAF and RFI Item to the ExRep storekeeper.

AMSU sends a failed item which is Beyond Capability Maintenance (BCM) to Screening via DCU. The Screening Storekeeper takes the stock number from the VIDS MAF, goes to his microfiche reader, and uses his Master Repair List (MRL) to determine the off-ship destination of the failed item. From the MRL, the Screening storekeeper gets the Designated Overhaul Point (DOP). This storekeeper then types a requisition document (1348-1) for shipment of this failed item to the DOP. A local Screening runner hand-carries the failed item and the requisition document to Shipping. The AK/SK clerk in Shipping signs the requisition document and sends back a copy (proof-of-turn-in) to be filed in Screening.

Inputs

RFI Item/VIDS MAF - (AMSU via DCU)

BCM Item/VIDS MAF - (AMSU via DCU)

1348-1 Proof-of-turn-in - (Shipping Section)

Outputs

VIDS MAF - (ADP)

RFI Item/VIDS MAF (hard copy - storeroom/Rotatable Pool)

RFI Item/VIDS MAF (hard copy - ERU)

BCM Item/1348-1 - (Shipping Section)

Signed VIDS MAF - (Production Control)

Activity Number	AS39
Activity Name	Shipping Section
Activity Function	Transfer Preparation

Description

The Shipping Section storekeeper (AK/SK) receives BCM material from Supply Screening and RAU activity storekeepers. These items are accompanied by 1348-1 documents.

The shipping personnel package the material to be transferred off-ship and attach the accompanying 1348-1 document. If multi-items are to be sent to one destination, a Transportation Control Movement Document (TCMD) is prepared.

Inputs

BCM Material/1348-1 - (Supply Screening Unit/RAU)

1348-1/Engine Log Book - BCM - (AEU)

1348-1, Failed Item - (Technical Library)

Outputs

Packaged Item/1348-1 (plus TCMD if required-off-ship)

1348-1 Signed - (Technical Library)

1348-1 (Proof-of-turn-in - Supply Screening Unit)

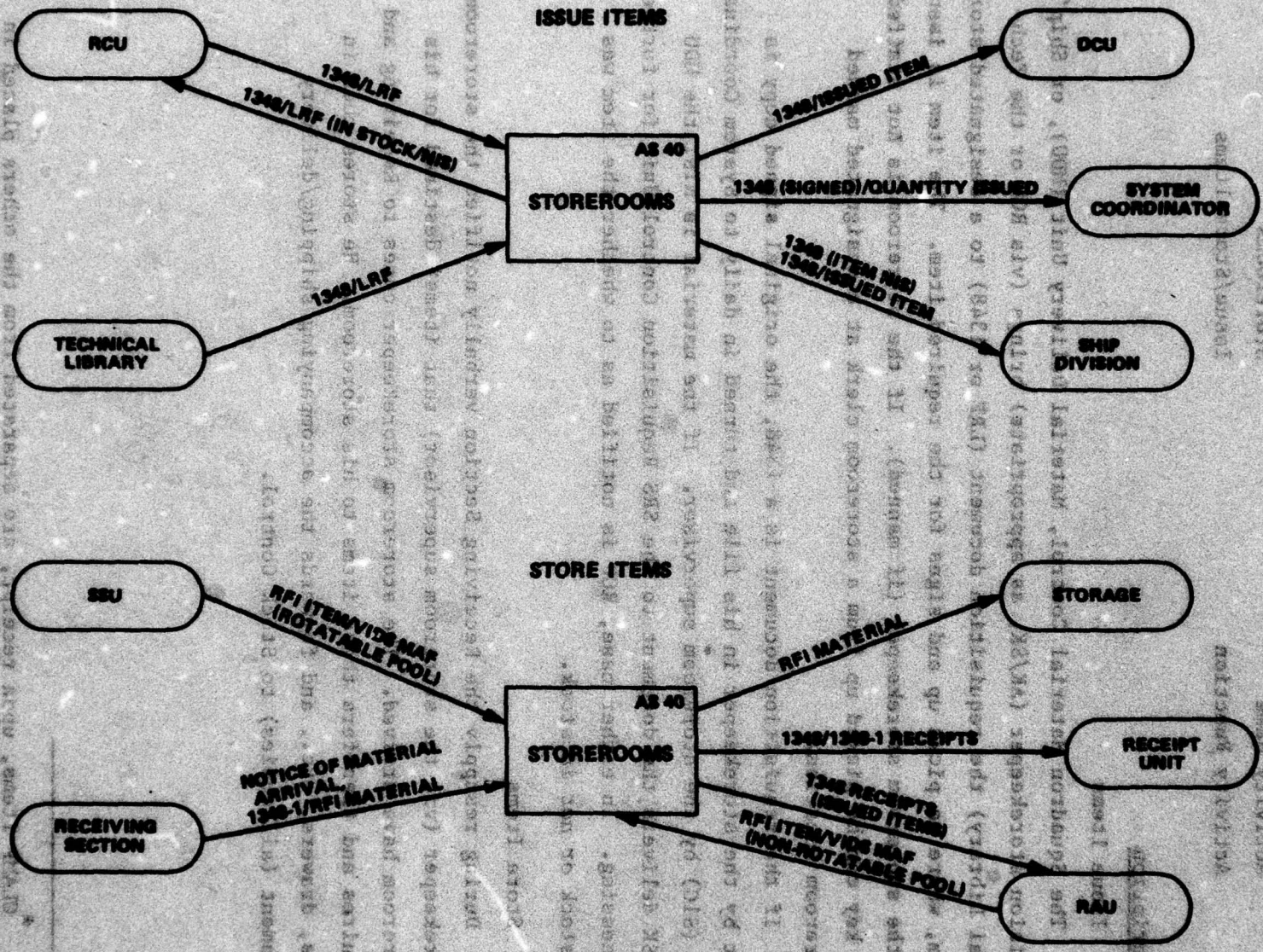


Figure D21 - Storeroom Information Material Flow

Activity Number	AS40
Activity Name	Storerooms
Activity Function	Issue/Store Items

Description

Issue Items

The Squadron Material Control, Material Delivery Unit (MDU), or Ship's Division storekeeper (AK/SK, as appropriate) brings (via RCU or the Technical Library) the requisition document (LRF or 1348) to a designated storeroom, where he picks up and signs for the required item. The item is issued by the storeroom storekeeper (if manned). If the storeroom is not staffed, its key can be picked up from a storeroom clerk at a designated manned storeroom location.

If the requisition document is a 1348, the original signed copy is kept by the storekeeper in his file and turned in daily to System Coordinator (SlC) by the storeroom supervisor. If the material is NIS, the MDU AK/SK delivers the document to the SRS Requisition Control Unit for further processing. In either case, RCU is notified as to whether the item was in stock or not in stock.

Store Items

During resupply the Receiving Section verbally notifies the storeroom storekeeper (via the storeroom supervisor) that items* destined for his storeroom have arrived. The storeroom storekeeper comes to Receiving and acquires and transfers these items to his storeroom. He stores them in bins, drawers, etc., and forwards the accompanying shipping/delivery document (all copies) to Stock Control.

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*CLAMP Items, upon receipt, are separated from the others placed in the CLAMP temporary location (at Receiving) and CLAMP AK is notified to pick them up. Aircraft engines, upon receipt, are stored in an assigned area after the attached 1348 and Log Book are removed.

Inputs

RFI item/VIDS MAF - (Supply Screening Unit)

1348-1/RFI Material - (Receiving Section)

Notice of Material Arrival - (Receiving Section)

1348/LRF - (AIMD/Squadron Material Control via Requisition Control)

1348/LRF, 1348 (Signed) - (Ship Division via Technical Library)

RFI Item/VIDS MAF - (RAU)

Outputs

RFI Material - (Storage)

1348-1 Receipts - (Receipt Unit)

1348 (Signed - Proof-of-Turn-In) - (Squadron Material Control)

1348 Receipt (Issued Items - RAU)

1348 (Item NIS) - (Ships Division)

1348/Issued item - (Ships Division)

1348 Signed - (Quantities issued - System Coordinator)

1348 (Proof-of-Turn-In)/Issued Item - (AIMD/Squadron Material Control via DCU)

1348/LRF Item In Stock/NIS - (Requisition Control)

1348/1348-1 Receipts - (Receipt Unit)

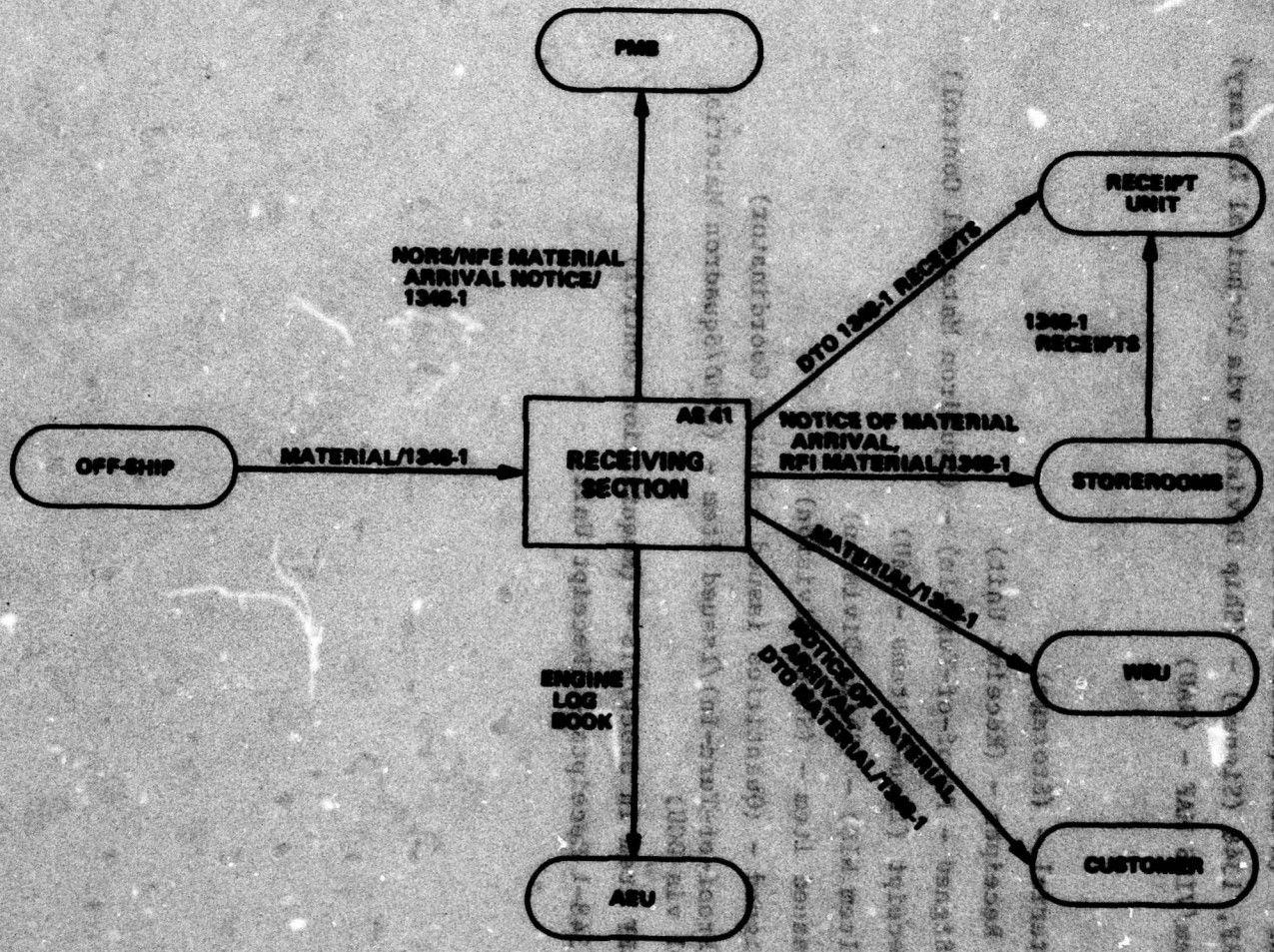


Figure D22 - Resupply Information Material Flow

Activity Number	A541
Activity Name	Receiving Section
Activity Function	Resupply

Description

The resupply of an aircraft carrier* requires extensive planning and coordination prior to the actual event. Once an Underway Replenishment (UNREP) has been initiated, the following actions are implemented aboard the receiving (aircraft carrier) ship:

1. First Sortation - Resupply material from the MLSF (Mobil Logistics Support Force) ships is transferred to the hangar deck via VERTREP (Vertical Replenishment) or to the main elevators via CONREP (Connected Replenishment). Storage areas are designated on the hangar deck for the various types of material being transferred. These include provisions, general stores (GSK), and Ship Stores Stock. A storekeeper checks the pallet labels for type of content. If a pallet includes any Ship Stores Stock (SSS) items, the whole pallet is transferred to the SSS receiving location.

The pallet is then broken down and, if any other type of material is included, the appropriate receiving station (for example, GSK) is notified to come and pick up their material and relocate it to their assigned location. If the pallet contains only GSK it goes directly to the GSK receiving station. The primary resources used for transferring material are fork lifts and people.

2. Second Sortation - Generally, SK's are assigned to each of the staging locations. Approximately 10% (60 pallets) of the total number of pallets received for an aircraft carrier (CV) are GSK.

(a) At the receiving location, there is a copy of the MSSL which indicates the cognizant storeroom location for each category of content type (see attached storeroom material categories/types list).

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*Described in detail in Siegel, B. and R.H. Putnam, "Combat Ship/Support Ship Interface Study Phase 1 - Function Analysis of Logistics Replenishment," DTNSRDC Report 4271 (Oct 1973) (U).

(b) The shipping document, accompanying the incoming material, is removed from the package.

(c) The MSSL and shipping document are compared to determine the storeroom location for each type of incoming material. The storeroom location is written on each shipping document.

(d) Direct-Turn-Over (DTO) material is separated from other material and the DTO customer is notified to pick it up. The material is temporarily stored in the Receiving Station bins if size permits.

3. The storeroom personnel are notified to come to the receiving (staging) area and pick up the material designated for them. This transfer process (receiving to storeroom) is usually performed manually, although support equipment may be used (fork lifts, conveyors, etc.) if necessary.

4. After the material is stored, the accompanying shipping document is forwarded to Stock Control by the storekeeper.

Input

Material, 1348-1 - (Off-ship)

Outputs

Notice of Material Arrival - (Storeroom)
RFI Material, 1348-1 - (Storeroom)
DTO 1348-1 Receipt - (Receipt Unit)
Notification of DTO Material Arrival, DTO Material/1348-1 - (DTO Customer)
1348-1 Receipt/Requisitioned Material - (CASREPT Unit)
NORS/NFE Material arrival Notice/1348-1 - (PMB)
Material/1348-1 - (WSU)
Engine Log Book - (AEU)
1348-1 Receipts (Receipt Unit)

(CONTENT TYPES)

STOREROOMS

COSAL

Repair Parts
Flammable (CO^2)
Consumables
(wax, paper, etc.....)
Large Bulk
Repairables
Classified

AVCAL

Repair Parts (standard size)
Tire Stowage (water covered)
CLAMP
Rotatable Pool
Aircraft Engines
Overhead Stowage (drop tank)
Classified Stowage
Bulkhead Stowage (rotor blades)
Bulk AVCAL
Maintenance Support Package

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